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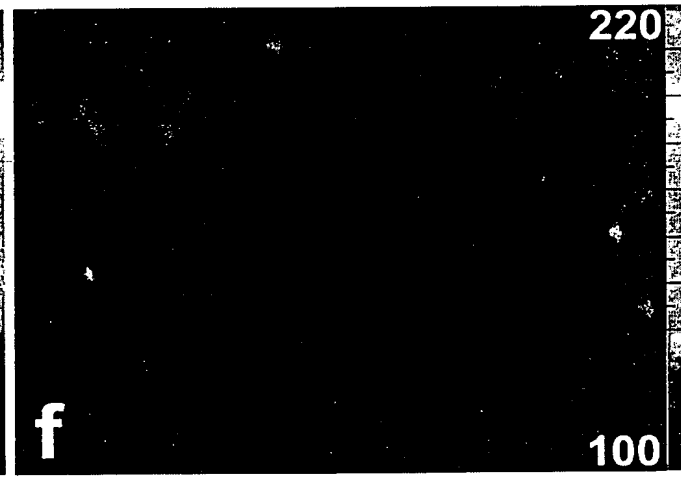
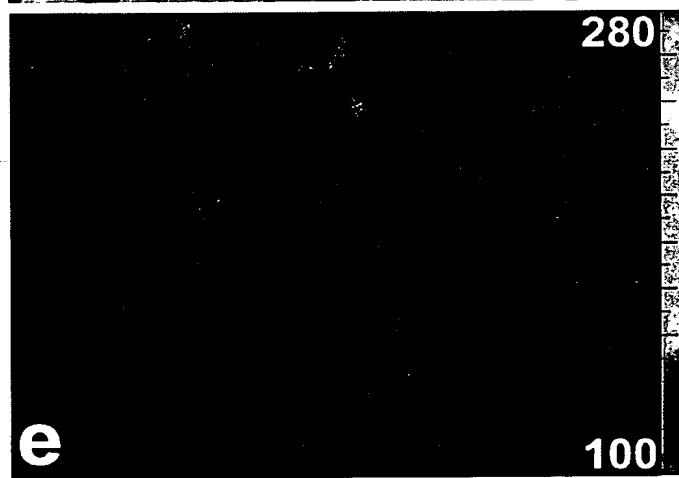
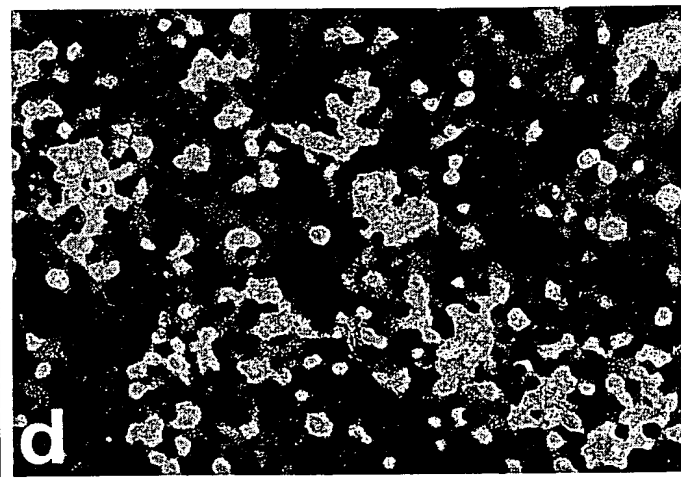
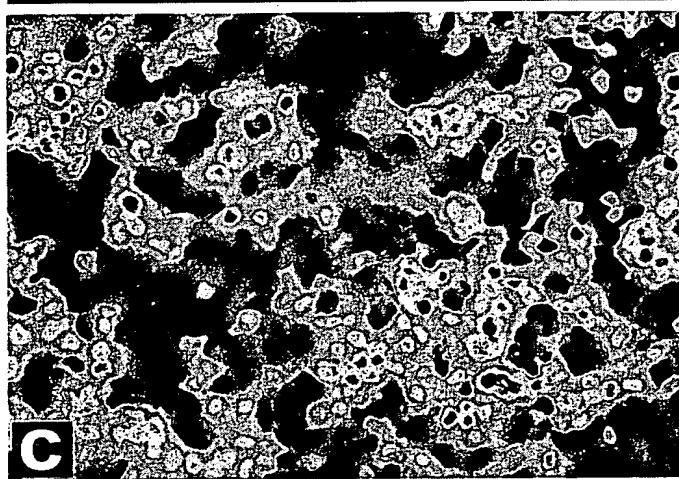
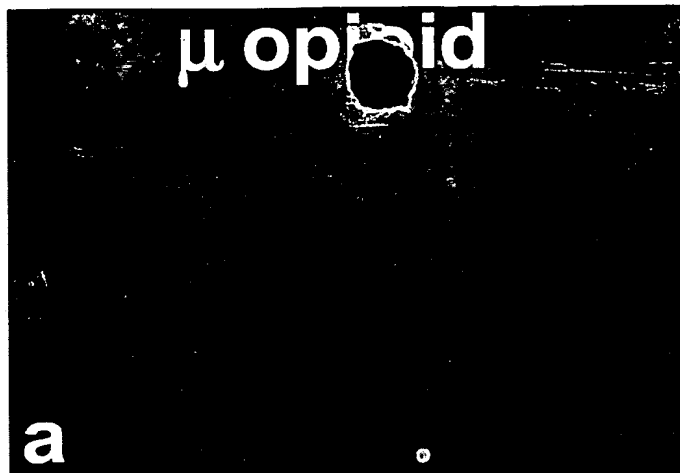


Figure 1

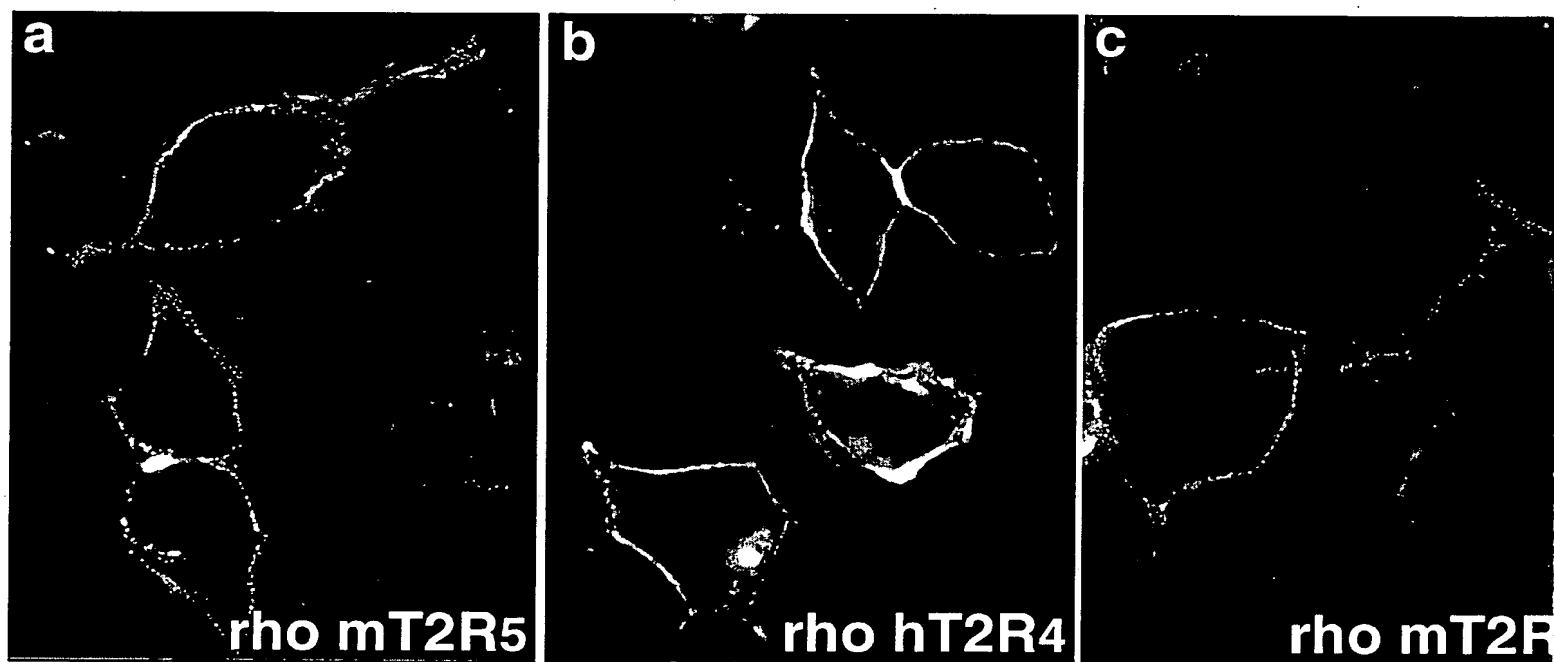


Figure 2

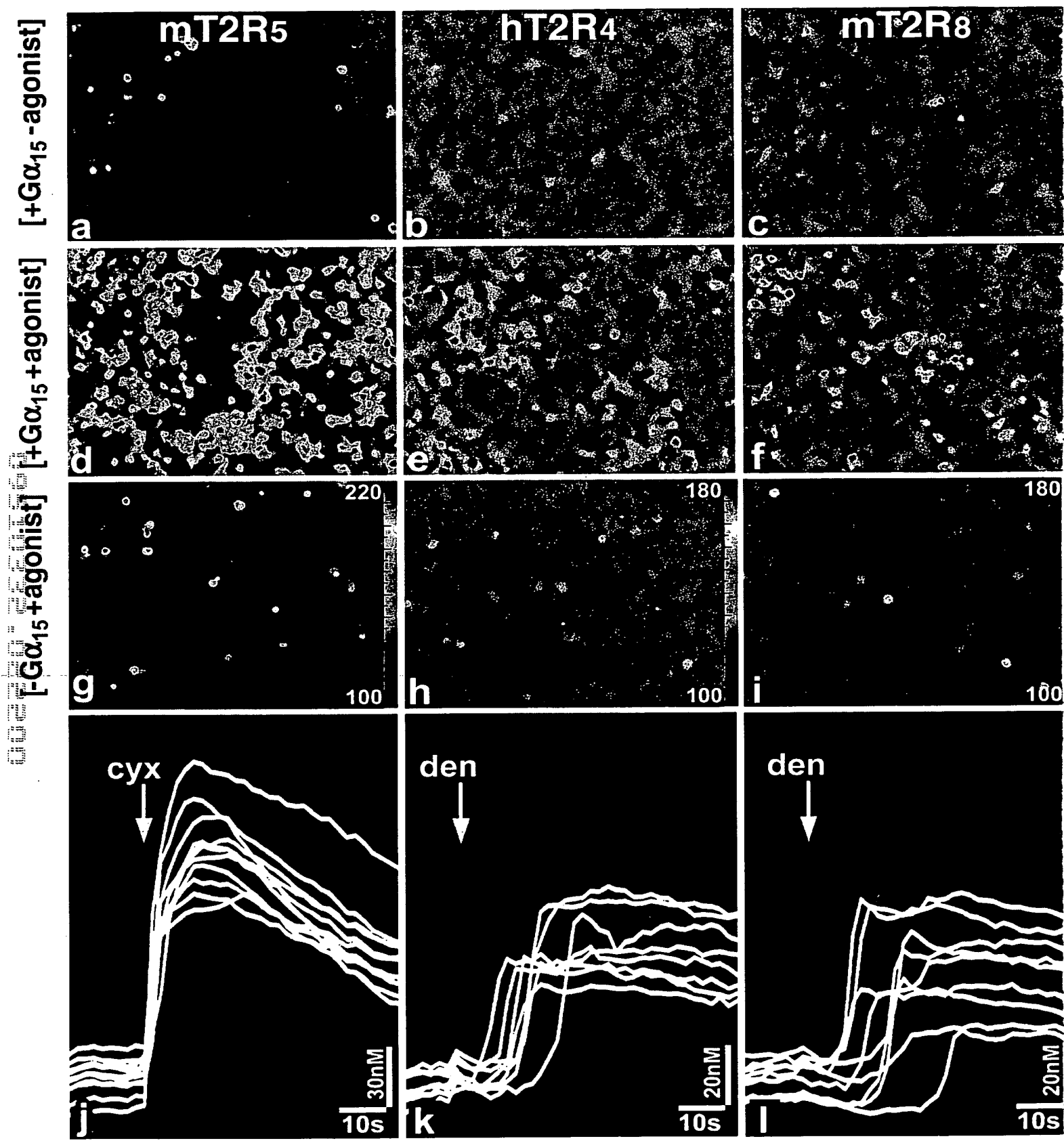
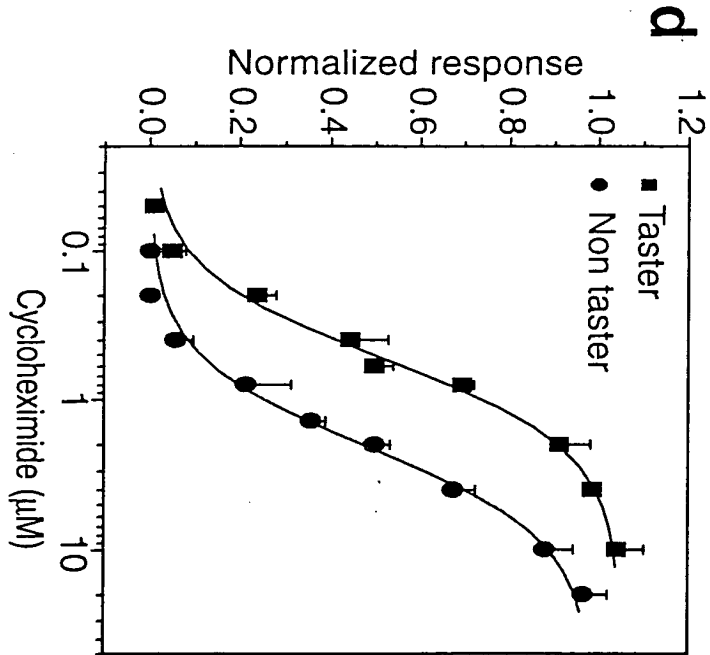
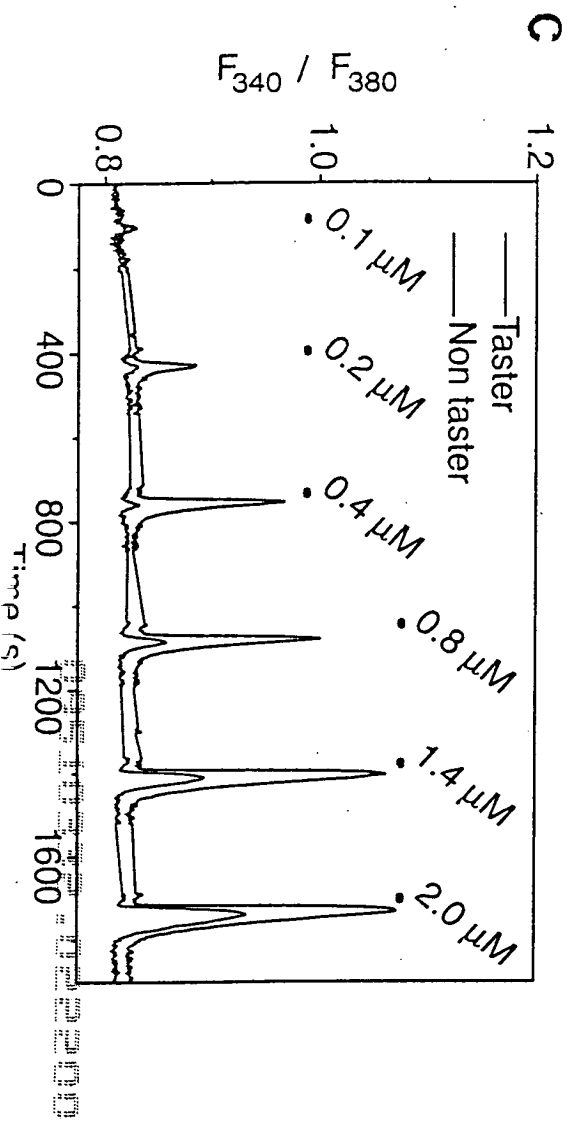
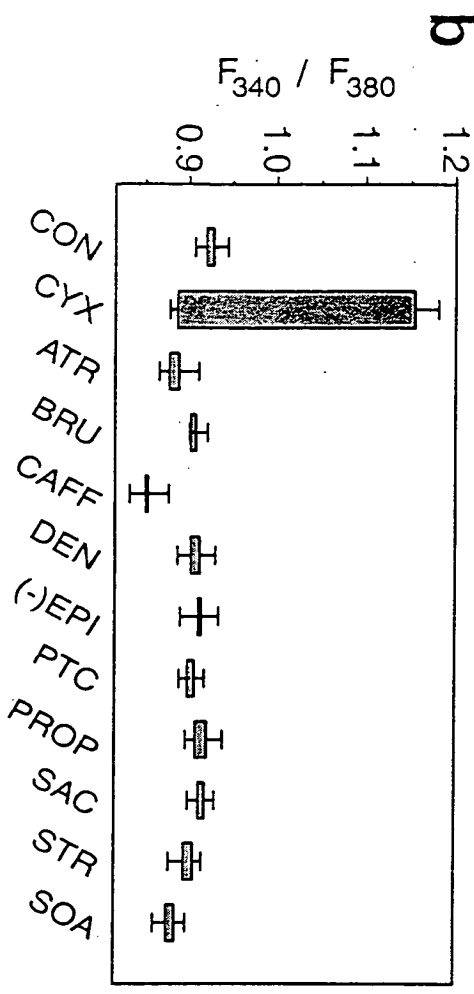
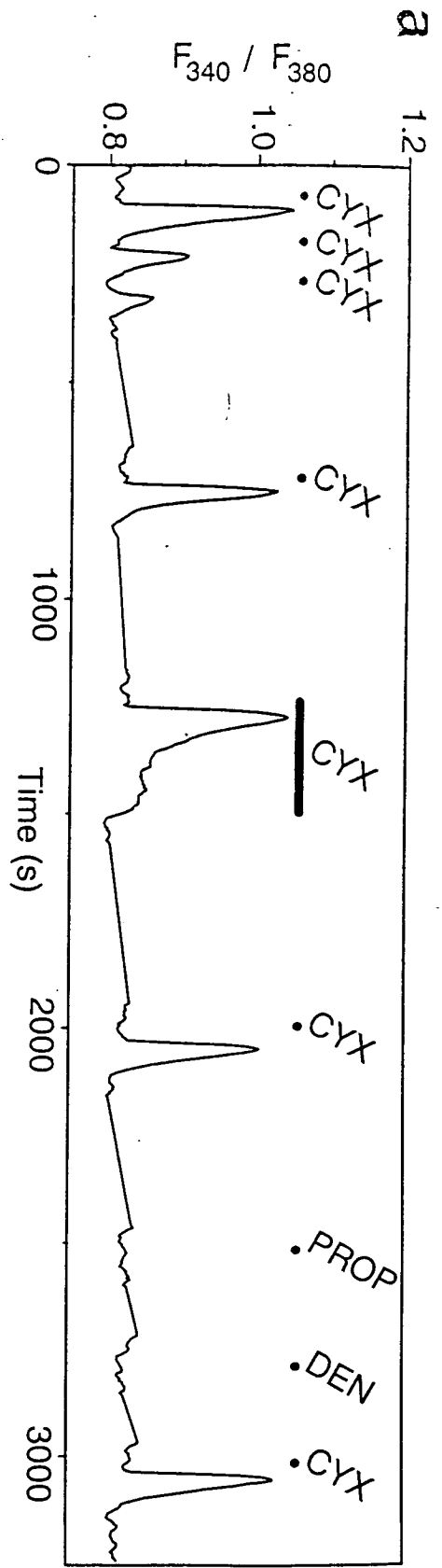
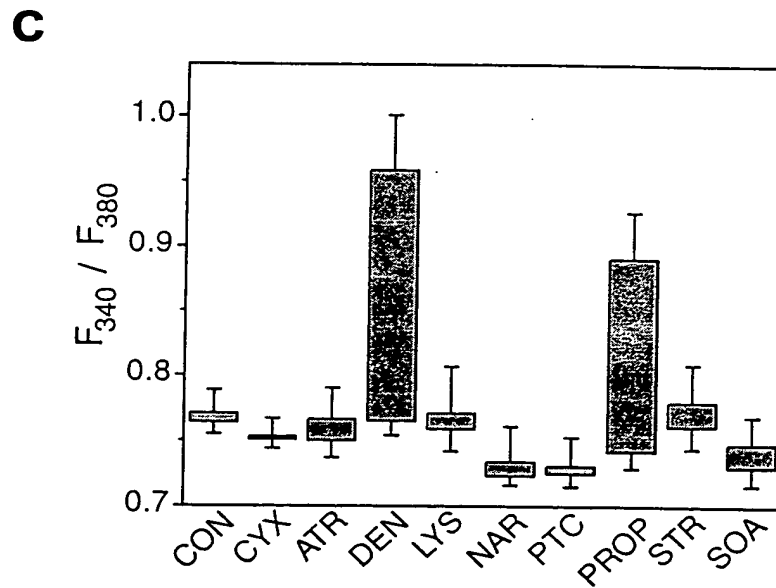
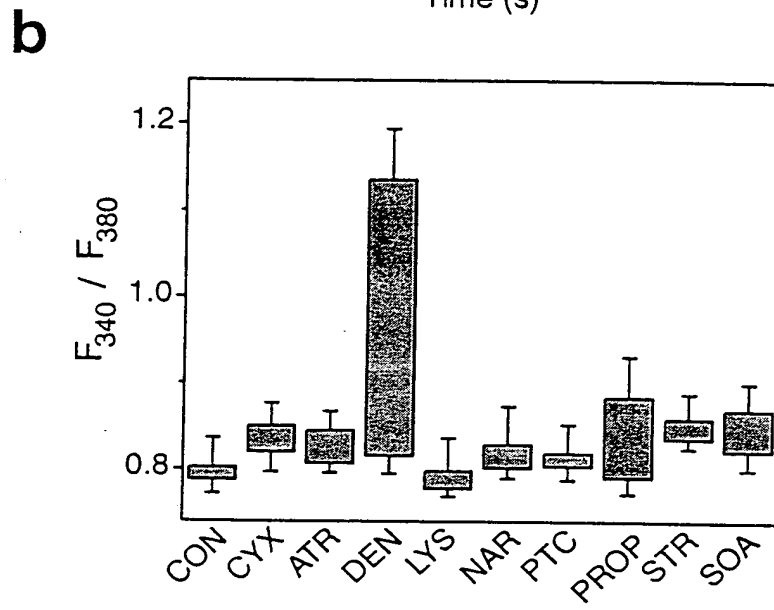
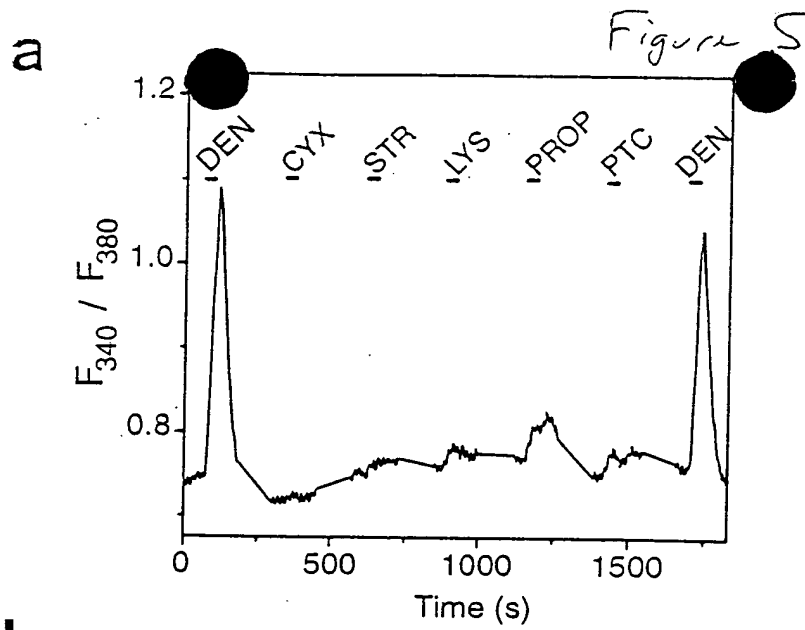


Figure 4





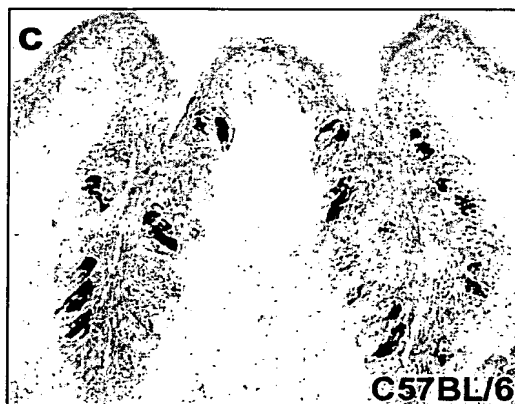
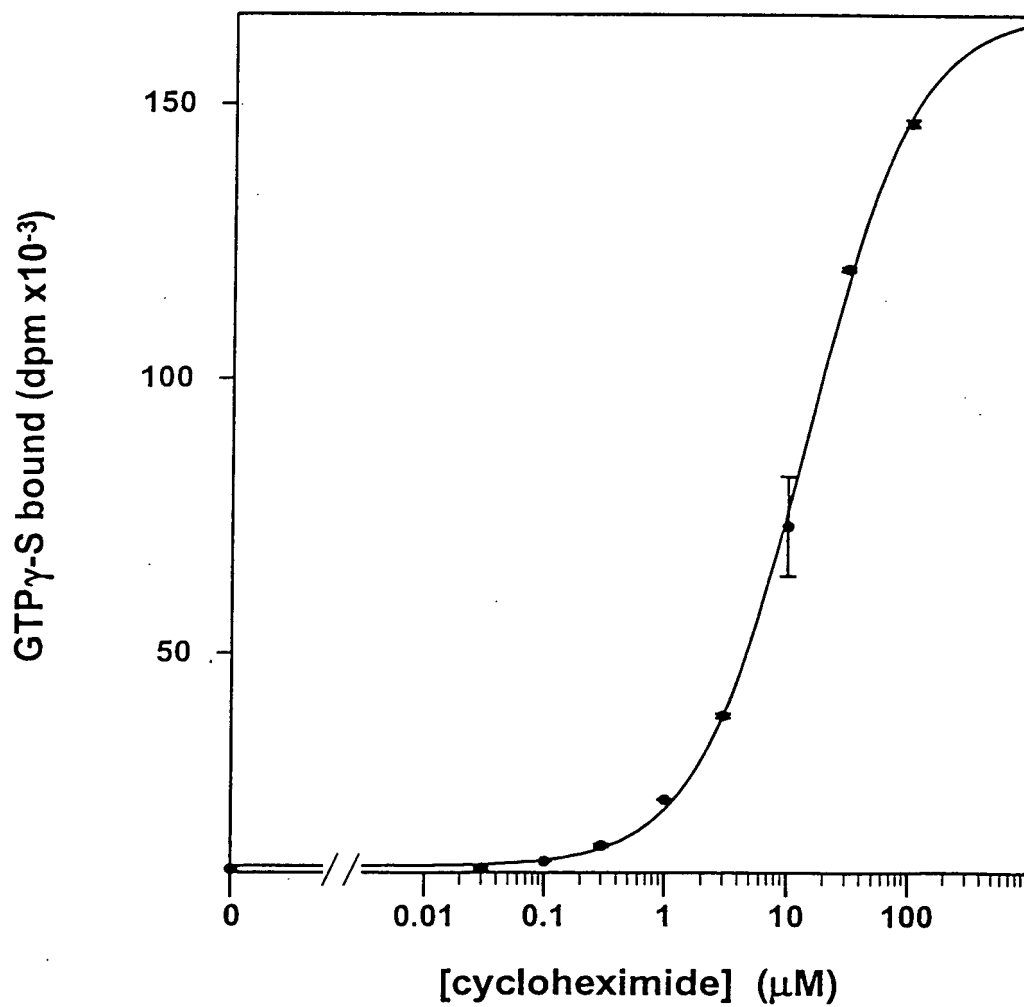
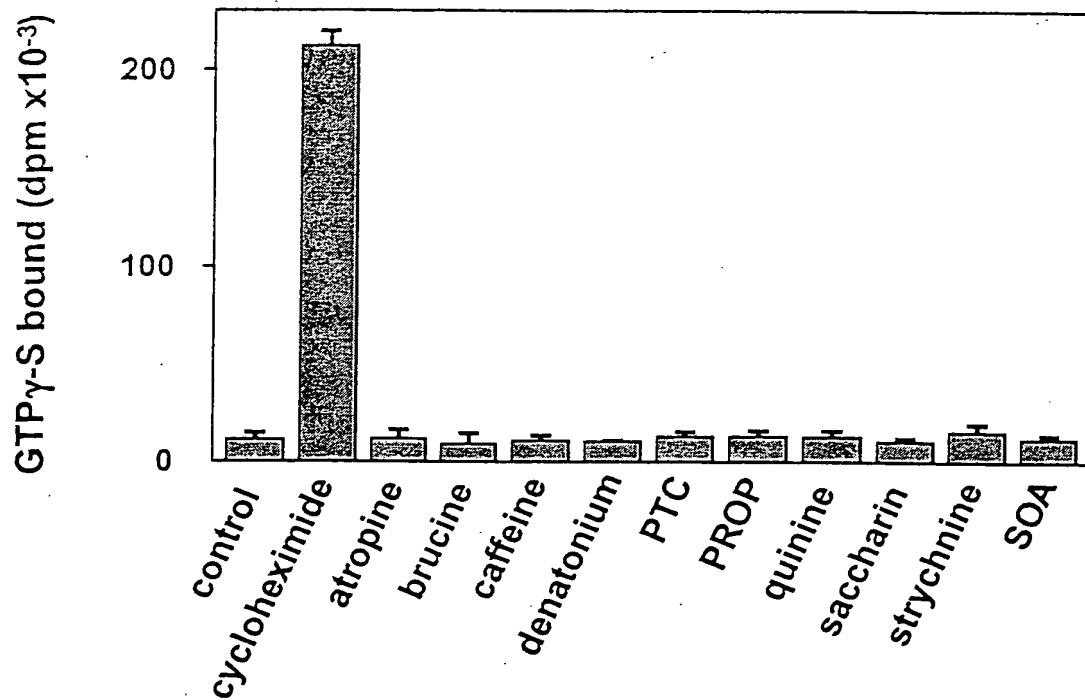
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Figure 7



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>hGR06 aa MLAAALGLLMPIAGAEFLIGLVNG VPVVCsFRGWVKM*GVPINSHDSG K*PLSPTQADHVGHKSVESTFPEQWL ALLS*CLRVLVsQANM*FATFFSGF CCMEIMTFVXXXXXXXXXXXXXXXXXX XXXLLVSFKITFYFSALVGWTL*K PLTGNSNILHPILNLLFL*IAVQ*R RLIAICDVSVPVFL*RHHRKMEDH TAVRRRLKPRXXXXXXXXXXXXXXXXX LYMVSALARHFSMTF*SPSDLTILA ISATLMAVYTSFPSIVMVRNQTQ RIL*EMICTWKS	>hGR06 nt ATGTTGGCGGCTGCCTAGGATTGCTGATGCCATTGCAGGGGCTGAATT TCTCATTGGCCTGGTTGGAAATGGAGTCCCTGTGGTCTGCAGTTTTAGAG GATGGGTCAAAAAAATGTAAGGAGTCCCTATAAATTCTCATGATTCTGGT AAGTAGCCACTTTCTCTACTCAGGCCGATCATGTTGGACATAAGTCTGT TTCCACTTTCCCGAGCAGTGTGTGGCTTTACTATCTTAATGTCTTCGAG TCCTGGTAAGCCAGGCCAACATGTAGTTTGGCACTTTCTTCAGTGGCTTC TGCTGCATGGAGATCATGACCTTTGTCCCGTGACTTCTTGTAGCTGAAA AGACTGGGTTTTTGTTTTTTGTCTAGTGTCTTCAAGATCACATTTTATTT CTCAGTCTTGTGGCTGGACCCTTTAAAAACCCCTTAACAGGAAACAGCA ACATCCTGCATCCATTTTAAATCTGTTATTTTATAGATTGCTGTCCAG TGAAGGAGACTGATTGCTATTTGTGATGTTTCTGTTCCACTTGTCTTTTT GTAAGACATCACAGGAAGATGGAGGACCACAGCTGTCTAGGAGGAGGC TCAAACCAAGGTGCTCATCGCTCTGAAGTCCCCCTTTACATGGTTTTCTG CCTTGGCCAGACACTTTTTTACCTGACCTTCAATCTCCCTGTATCTCACC ATTCTTGCCATCTCTGCAACACTCATGGCTGTTTATACTTCAATTCCTGC TATTGTAATGTTATGAGGAATCAGACTTGTCTAGAGAATTCTGTAGGAGA TGATATGTACATGGAAATCCTAG
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<p>>hGR12 aa MSSIWETLFIIRILVV*FIMGTVGN* FIVLVNIID*IRN*KVSLIDFILNC LAISRICFL*ITILATSFNIGYEKM PDSKNLAVSFDILWTGSSYFCLSCF TCLSVFYFLKIVANFSNPIFLWMKW IHKVLFFIVLEATISFCTTSILKEI IINSLI*ERVTIKGNLTFNYMDTMH DFTSLFLLQMMFILPFVETLASILL LILSLWSHTRQMKLHGIYSRDPSTE AHVKPIKAIISFLLLFI VHYFISII LTLACPLLDFAARTFSSVLVFFHP SGHSFLLILRDSKLKQASLCVLKKM KYAKKDIISHFYKHA</p>	<p>>hGR12 nt ATGTCAAGCATTTGGGAGACACTGTTTATAAGAATTCTTGTAGTGTAATT CATAATGGGGACTGTGGGAAATTGATTCAATTGTATTGGTTAATATCATTG ACTGAATCAGGAACTGAAAGGTCTCCCTGATTGATTGATTTTATTCTCAACTGC TTGGCCATCTCCAGGATATGTTTCCCTGTAGATAACAATTTTAGCTACCTC TTCAATATAGGCTATGAGAAAATGCCTGATTCTAAGAATCTTGCAGTAA GTTTTGACATTCTCTGGACAGGATCCAGCTATTTCTGCCTGTCTGTACC ACTTGCTCAGTGTCTTCTATTTCCTCAAGGTAGCCAACCTTCTCCAATCC CATTTTCTCTGGATGAAATGGAAAATTCACAAGGTGCTTCTCTTTATTG TACTAGAGGCAACGATCTCTTCTGCACAACCTCCATTCTGAAGGAAATA ATAATTAATAGTTAATCTAAGAACGGGTAACAATAAAGGCAACTTGAC ATTTAATTATATGGATACCATGCATGATTTCACTTCTCTGTTTCTCCTTC AGATGATGTTCCATCTCTCTTTTGTGAAACACTGGCTTCCATTCTTCTC TTAATCTCTCCTTATGGAGCCACACCAGGCAGATGAAGCTATCGGTAT TTATTCCAGGGATCCCAGCACAGAAGCCCATGTAAAACCTATAAAAGCTA TAAATTTCAATTTCTACTCCTCTTTATTGTGCATTATTTTCATCAGTATCATA CTAACATTGGCCTGTCTCTTCTAGACTTCGTTGCGGCAAGGACTTTTAG TAGTGTGCTGGTATTTTCCATCCATCTGGCCATTCAATTTCTTCTAATTT TACGGGACAGCAAAGTGAAGCAAGCTTCTCTGTCTGCTGAAGAAGATG AAGTATGCCAAAAGGACATAATCTCTCATTTTTATAAATGCCTGA</p>
<p>>hGR13 aa MESALPSIFTLVIIAEFIIIGNLSNG FIVLINCIDWVSKRELSSVDKLLII LAISRIGLIWEILVSWFLALHYLAI FVSGTGLRIMIFSWIVSNHFNWLA TIFSIFYLLKIASFSSPAFLYLKWR VNKVILMILLGTLVFLFLNLIQINM HIKDWLDRIYERNTTWNFSMSDFETF SVSVKFTMTMFSLTPFTVAFISFLL LIFSLQKHLQKMLNYKGHRDPRTK VHTNALKIVISFLLFYASFLLCVLI SWISELYQNTVIYMLCETIGVFSFS</p>	<p>>hGR13 nt ATGGAAAGTGCCCTGCCGAGTATCTTCACTCTTGTATAATAATTGCAGAATT CATAATTGGGAATTTGAGCAATGGATTATAGTACTGATCAACTGCATTG ACTGGGTCAAGTAAAGAGAGCTGTCTCAGTCGATAAACTCCTCATTATC TTGGCAATCTCCAGAATTGGGCTGATCTGGGAAATATTAGTAAGTTGGTT TTTAGCTCTGCATTATCTAGCCATATTTGTGTCTGGAACAGGATTAGAA TTATGATTTTTAGCTGGATAGTTTCTAATCACTTCAATCTCTGGCTTGCT ACAATCTTCAGCATCTTTTATTGTCTCAAAATAGCGAGTTTCTCTAGCCC TGCTTTTCTCTATTTGAAGTGGAGAGTAAACAAAGTATTCTGATGATAC TGCTAGGAACCTTGGTCTTCTTATTTTAAATCTGATACAAATAAACATG CATATAAAGACTGGCTGGACCGATATGAAAGAAACACAACCTTGGAAATTT CAGTATGAGTGACTTTGAAACATTTTCAGTGTCCGTCAAATTCATATGA CTATGTTCACTCTAACACCATTACTGTGGCCTTCATCTCTTTTCTCCTG</p>

SHSFLILGNALRQAFLLVAAKVW AKR	TTAATTTTCTCCCTGCAGAAACATCTCCAGAAAATGCAACTCAATTACAA AGGACACAGAGACCCCAAGGTCCATACAAATGCCTTGAAAATTG TGATCTCATTCCTTTTATTCTATGCTAGTTCTTTCTATGTGTCTCATA TCATGGATTTCTGAGCTGTATCAGAACACAGTGATCTACATGCTTTGTGA GACGATTGGAGTCTTCTCTCTTCAAGCCACTCCTTTCTTCTGATTCTAG GAAACGCTAAGTTAAGACAGGCCTTTCTTTTGGTGGCAGCTAAGGTATGG GCTAAACGATGA
>hGR14 aa MGGVIKSIFFVLIVFEIIGNLGNS FIALVNCIDWVKGRKISSVDRILTA LAISRISLVWLIFGWCVSFFPAL FATEKMFRMLTNIWTVINHFSVWLA TGLGTFYFLKIANFNSIFLYLKWR VKKVVLVLLVTSVFLFLNIALINI HINASINGYRRNKTCSSDSSNFTRF SSLIVLTSTVFIFIPFTLSLAMFLL LIFSMWKHRKKMQHTVKISGDASTK AHRGVKSVITFFLLYAIFFLSFFIS VWTSEERLEENLIILSQVMGMAYPSC HSCVLIILGNKKLRQASLVLLWLRY MFKDGEPSGHKEFFRESS	>hGR14 nt ATGGGTGGTGTCTATAAAGAGCATATTTACATTCGTTTTAATTGTGGAATT TATAATTGGAATTTAGGAAATAGTTTCATAGCACTGGTGAACGTGATTG ACTGGGTCAAGGGAAGAAAGATCTCTTCGGTTGATCGGATCCTCACTGCT TTGGCAATCTCTCGAATTAGCCTGGTTTGGTTAATATTCGGAAGCTGGTG TGTGTCTGTGTTTTTCCAGCTTTATTTGCCACTGAAAAAATGTTTCAGAA TGCTTACTAATATCTGGACAGTGATCAATCATTTTATGTCTGGTTAGCT ACAGGCCTCGGTACTTTTTATTTTCTCAGATAGCCAATTTTCTAACTC TATTTTTCTCTACCTAAAGTGGAGGGTTAAAAAGGTGGTTTTGGTGCTGC TTCTTGTGACTTCGGTCTTCTGTTTTTAAATATTGCACTGATAAACATC CATATAAATGCCAGTATCAATGGATACAGAAGAAACAAGACTTGCAGTTC TGATTCAAGTAACCTTTACACGATTTTCCAGTCTTATTGTATTAACCAGCA CTGTGTTCATTTTCATACCCTTTACTTTGTCCCTGGCAATGTTTCTTCTC CTCATCTTCTCCATGTGGAACATCGCAAGAAGATGCAGCACACTGTCAA AATATCCGGAGACGCCAGCACCAAGCCACAGAGGAGTTAAAGTGTGA TCACTTTCTTCTACTCTATGCCATTTCTCTGTCTTTTCTTTTCTATCA GTTTGGACCTCTGAAAGGTTGGAGGAAAATCTAATTATTCTTTCCAGGT GATGGGAATGGCTTATCCTTCATGTCACTCATGTGTTCTGATTCTTGGA ACAAGAAGCTGAGACAGGCCTCTCTGTCTAGTGCTACTGTGGCTGAGGTAC ATGTTCAAAGATGGGAGCCCTCAGGTACAAAGAATTAGAGAATCATC TTGA
>hGR15 aa MITFLPIIFSILVVVTFVLGNFANG FIVLVNSIEWVKRQKISFADQILTA LAVSRVGLLWVILLHWYATVLNPGS YSLGVRITTINAWAVTNHFSIWVAT LSIFYFLKIANFNSNFIHLKRRI KSVIPVILLGSLFLVCHLVVNMD ESMWTKEYEGNVSWEIKLSDPHLS DMVTVTTLANLIPFTLSLLSFLLLIC SLCKHLKKMQFHGKSPDSNTKVHI KALQTVTSFLLFAVYFLSLITSIW NFRRL*NEPVLMLSQTAIYPSF HSFILIWGSKKLKQTFLLILCQIKC	>hGR15 nt ATGATAACTTTTCTACCCATCATTTTTTCCATTCTAGTAGTGGTTACATT TGTTCTTGGGAATTTTGCTAATGGCTTCATAGTGTGGTAAATTCATTG AGTGGGTCAAGAGACAAAAGATCTCCTTGGCTGACCAATTTCTCACTGCT CTGGCAGTCTCCAGAGTTGGTTTGTCTGGGTAATATTATTACATTGGTA TGCAACTGTTTTGAATCCAGGTTTCATATAGTTTAGGAGTAAGAATTACTA CTATTAATGCCTGGGCTGTAACCAACCATTTTCAGCATCTGGGTTGCTACT AGCCTCAGCATATTTTATTTCTCAAGATTGCCAATTTCTCCAACCTTAT TTTTCTTCACTTAAAAAGGAGAATTAAGAGTGTCACTCCAGTGATACAT TGGGGTCTTTGTTATTTTTGGTTTGTCTCTTGTGCTAAACATGGAT GAGAGTATGTGGACAAAAGAATATGAAGGAAACGTGAGTTGGGAGATCAA ATTGAGTGATCCGACGCACCTTTTCAGATATGACTGTAACCACGCTTGCAA ACTTAATACCTTTACTCTGTCCCTGTTATCTTTCTGCTTAAATCTGT TCTTTGTGTAACATCTCAAGAAGATGCAGTTCCATGGCTAAAGGATCTCC AGATTCCAACACCAAGGTCCACATAAAAGCTTTGCAAACGGTGACCTCCT TCCTCTTGTTATTTGCTGTTTACTTTCTGTCCCTAATCACATCGATTGG AATTTTAGGAGGAGGCTGTAGAACGAACCTGTCTCATGCTCAGCCAAAC TACTGCAATTATATACCTTTCATTTTCATTTCATTCCTAATTTGGGGAA GCAAGAAGCTGAAACAGACCTTTCTTTTGATTTTGTGTGAGATTAAAGTGC TGA
>hGR16 aa MIPIQLTVFFMIIYVLESITIIVQS SLIVAVLGREWLQVRRMLPVDMLI SLGISRFCLQWASMLNFCYFNLN YVLCNLITITWEFFNILTFWLNSLLT VFYCIKVSSFTHHIFLWLRWRLRL FPWILLGSLMITCVTIIPSAIGNYI QIQLLTMEHLPRNSTVTDKLENFHQ YQFQAHTVALVIPFILFLASTIFLM ASLTKQIQHSTGHCPNSMKARFTA LRSLAVLFIVFTSYFLTILITIIGT LFDKRCWLWVWEAFVYAFILMHSTS LMLSSPTLKRILKGKC	>hGR16 nt ATGATACCCATCCAACCTCACTGTCTTCTTCATGATCATCTATGTGCTTGA GTCCTTGACAATATTGTGCAGAGCAGCCTAATTGTTGCAGTGCTGGGCA GAGAATGGCTGCAAGTCAGAAGGCTGATGCCGTGGACATGATTCTCATC AGCCTGGGCATCTCTCGCTTCTGTCTACAGTGGGCATCAATGCTGAACAA TTTTTGCTCCTATTTAATTTGAATTATGTACTTTGCAACTTAACAATCA CCTGGGAATTTTTAATATCCTTACATTCTGGTTAAACAGCTTGCTTACC GTGTTCTACTGCATCAAGGTCTCTTCTTACCATCATCATCTTTCTCTG GCTGAGGTGGAGAATTTTGGGTTGTTTCCCTGGATATTACTGGGTCTC TGATGATTACTTGTGTAACAATCATCCCTTCAGCTATTGGGAATTACATT CAAATTCAGTTACTCACCATGGAGCATCTACCAAGAAACAGCACTGTAAC TGACAACTTGAAAATTTTCATCAGTATCAGTTCCAGGCTCATACAGTTG CATTGGTTATTCCTTTTCATCTCTTCTGGCTCCACCATCTTTCTCATG GCATCACTGACCAAGCAGATACAACATCATAGCACTGGTCACTGCAATCC AAGCATGAAAGCGGCTTCACTGCCCTGAGGTCCCTTGCCGTCTTATTTA

Country	Year	Population (millions)	Urban population (millions)	Urban population (%)
Algeria	1980	10.0	4.0	40.0
Algeria	1985	10.5	4.5	42.9
Algeria	1990	11.0	5.0	45.5
Algeria	1995	11.5	5.5	47.8
Algeria	2000	12.0	6.0	50.0
Algeria	2005	12.5	6.5	52.0
Algeria	2010	13.0	7.0	53.8
Algeria	2015	13.5	7.5	55.6
Algeria	2020	14.0	8.0	57.1
Algeria	2025	14.5	8.5	58.6
Algeria	2030	15.0	9.0	60.0
Algeria	2035	15.5	9.5	61.3
Algeria	2040	16.0	10.0	62.5
Algeria	2045	16.5	10.5	63.6
Algeria	2050	17.0	11.0	64.7
Algeria	2055	17.5	11.5	65.7
Algeria	2060	18.0	12.0	66.7
Algeria	2065	18.5	12.5	67.6
Algeria	2070	19.0	13.0	68.4
Algeria	2075	19.5	13.5	69.2
Algeria	2080	20.0	14.0	70.0
Algeria	2085	20.5	14.5	70.7
Algeria	2090	21.0	15.0	71.4
Algeria	2095	21.5	15.5	72.1
Algeria	2100	22.0	16.0	72.7
Algeria	2105	22.5	16.5	73.3
Algeria	2110	23.0	17.0	73.9
Algeria	2115	23.5	17.5	74.5
Algeria	2120	24.0	18.0	75.0
Algeria	2125	24.5	18.5	75.5
Algeria	2130	25.0	19.0	76.0
Algeria	2135	25.5	19.5	76.5
Algeria	2140	26.0	20.0	76.9
Algeria	2145	26.5	20.5	77.3
Algeria	2150	27.0	21.0	77.8
Algeria	2155	27.5	21.5	78.2
Algeria	2160	28.0	22.0	78.6
Algeria	2165	28.5	22.5	78.9
Algeria	2170	29.0	23.0	79.3
Algeria	2175	29.5	23.5	79.7
Algeria	2180	30.0	24.0	80.0
Algeria	2185	30.5	24.5	80.3
Algeria	2190	31.0	25.0	80.6
Algeria	2195	31.5	25.5	80.9
Algeria	2200	32.0	26.0	81.3
Algeria	2205	32.5	26.5	81.5
Algeria	2210	33.0	27.0	81.8
Algeria	2215	33.5	27.5	82.1
Algeria	2220	34.0	28.0	82.4
Algeria	2225	34.5	28.5	82.6
Algeria	2230	35.0	29.0	82.9
Algeria	2235	35.5	29.5	83.1
Algeria	2240	36.0	30.0	83.3
Algeria	2245	36.5	30.5	83.6
Algeria	2250	37.0	31.0	83.8
Algeria	2255	37.5	31.5	84.0
Algeria	2260	38.0	32.0	84.2
Algeria	2265	38.5	32.5	84.4
Algeria	2270	39.0	33.0	84.6
Algeria	2275	39.5	33.5	84.8
Algeria	2280	40.0	34.0	85.0
Algeria	2285	40.5	34.5	85.2
Algeria	2290	41.0	35.0	85.4
Algeria	2295	41.5	35.5	85.6
Algeria	2300	42.0	36.0	85.7
Algeria	2305	42.5	36.5	85.9
Algeria	2310	43.0	37.0	86.0
Algeria	2315	43.5	37.5	86.2
Algeria	2320	44.0	38.0	86.4
Algeria	2325	44.5	38.5	86.5
Algeria	2330	45.0	39.0	86.7
Algeria	2335	45.5	39.5	86.8
Algeria	2340	46.0	40.0	86.9
Algeria	2345	46.5	40.5	87.1
Algeria	2350	47.0	41.0	87.2
Algeria	2355	47.5	41.5	87.3
Algeria	2360	48.0	42.0	87.5
Algeria	2365	48.5	42.5	87.6
Algeria	2370	49.0	43.0	87.8
Algeria	2375	49.5	43.5	87.9
Algeria	2380	50.0	44.0	88.0
Algeria	2385	50.5	44.5	88.1
Algeria	2390	51.0	45.0	88.2
Algeria	2395	51.5	45.5	88.3
Algeria	2400	52.0	46.0	88.5
Algeria	2405	52.5	46.5	88.6
Algeria	2410	53.0	47.0	88.7
Algeria	2415	53.5	47.5	88.8
Algeria	2420	54.0	48.0	88.9
Algeria	2425	54.5	48.5	89.0
Algeria	2430	55.0	49.0	89.1
Algeria	2435	55.5	49.5	89.2
Algeria	2440	56.0	50.0	89.3
Algeria	2445	56.5	50.5	89.4
Algeria	2450	57.0	51.0	89.5
Algeria	2455	57.5	51.5	89.6
Algeria	2460	58.0	52.0	89.7
Algeria	2465	58.5	52.5	89.8
Algeria	2470	59.0	53.0	89.8
Algeria	2475	59.5	53.5	89.9
Algeria	2480	60.0	54.0	90.0
Algeria	2485	60.5	54.5	90.1
Algeria	2490	61.0	55.0	90.2
Algeria	2495	61.5	55.5	90.3
Algeria	2500	62.0	56.0	90.3
Algeria	2505	62.5	56.5	90.4
Algeria	2510	63.0	57.0	90.5
Algeria	2515	63.5	57.5	90.6
Algeria	2520	64.0	58.0	90.6
Algeria	2525	64.5	58.5	90.7
Algeria	2530	65.0	59.0	90.8
Algeria	2535	65.5	59.5	90.9
Algeria	2540	66.0	60.0	90.9
Algeria	2545	66.5	60.5	91.0
Algeria	2550	67.0	61.0	91.0
Algeria	2555	67.5	61.5	91.1
Algeria	2560	68.0	62.0	91.2
Algeria	2565	68.5	62.5	91.3
Algeria	2570	69.0	63.0	91.3
Algeria	2575	69.5	63.5	91.4
Algeria	2580	70.0	64.0	91.4
Algeria	2585	70.5	64.5	91.5
Algeria	2590	71.0	65.0	91.6
Algeria	2595	71.5	65.5	91.6
Algeria	2600	72.0	66.0	91.7
Algeria	2605	72.5	66.5	91.7
Algeria	2610	73.0	67.0	91.8
Algeria	2615	73.5	67.5	91.8
Algeria	2620	74.0	68.0	91.9
Algeria	2625	74.5	68.5	91.9
Algeria	2630	75.0	69.0	92.0
Algeria	2635	75.5	69.5	92.1
Algeria	2640	76.0	70.0	92.1
Algeria	2645	76.5	70.5	92.2
Algeria	2650	77.0	71.0	92.2
Algeria	2655	77.5	71.5	92.3
Algeria	2660	78.0	72.0	92.3
Algeria	2665	78.5	72.5	92.4
Algeria	2670	79.0	73.0	92.4
Algeria	2675	79.5	73.5	92.5
Algeria	2680	80.0	74.0	92.5
Algeria	2685	80.5	74.5	92.6
Algeria	2690	81.0	75.0	92.6
Algeria	2695	81.5	75.5	92.7
Algeria	2700	82.0	76.0	92.7
Algeria	2705	82.5	76.5	92.8
Algeria	2710	83.0	77.0	92.8
Algeria	2715	83.5	77.5	92.9
Algeria	2720	84.0	78.0	92.9
Algeria	2725	84.5	78.5	93.0
Algeria	2730	85.0	79.0	93.0
Algeria	2735	85.5	79.5	93.1
Algeria	2740	86.0	80.0	93.1
Algeria	2745	86.5	80.5	93.2
Algeria	2750	87.0	81.0	93.2
Algeria	2755	87.5	81.5	93.3
Algeria	2760	88.0	82.0	93.3
Algeria	2765	88.5	82.5	93.4
Algeria	2770	89.0	83.0	93.5
Algeria	2775	89.5	83.5	93.5
Algeria	2780	90.0	84.0	93.6
Algeria	2785	90.5	84.5	93.6
Algeria	2790	91.0	85.0	93.7
Algeria	2795	91.5	85.5	93.7
Algeria	2800	92.0	86.0	93.8
Algeria	2805	92.5	86.5	93.8
Algeria	2810	93.0	87.0	93.9
Algeria	2815	93.5	87.5	93.9
Algeria	2820	94.0	88.0	94.0
Algeria	2825	94.5	88.5	94.0
Algeria	2830	95.0	89.0	94.1
Algeria	2835	95.5	89.5	94.1
Algeria	2840	96.0	90.0	94.2
Algeria	2845	96.5	90.5	94.2
Algeria	2850	97.0	91.0	94.3
Algeria	2855	97.5	91.5	94.3
Algeria	2860	98.0	92.0	94.4
Algeria	2865	98.5	92.5	94.4
Algeria	2870	99.0	93.0	94.5
Algeria	2875	99.5	93.5	94.5
Algeria	2880	100.0	94.0	94.6
Algeria	2885	100.5	94.5	94.6
Algeria	2890	101.0	95.0	94.7
Algeria	2895	101.5	95.5	94.7
Algeria	2900	102.0	96.0	94.8
Algeria	2905	102.5	96.5	94.8
Algeria	2910	103.0	97.0	94.9
Algeria	2915	103.5	97.5	94.9
Algeria	2920	104.0	98.0	95.0
Algeria	2925	104.5	98.5	95.0
Algeria	2930	105.0	99.0	95.1
Algeria	2935	105.5	99.5	95.1
Algeria	2940	106.0	100.0	95.2
Algeria	2945	106.5	100.5	95.2
Algeria	2950	107.0	101.0	95.3
Algeria	2955	107.5	101.5	95.3
Algeria	2960	108.0	102.0	95.4
Algeria	2965	108.5	102.5	95.4
Algeria	2970	109.0	103.0	95.5
Algeria	2975	109.5	103.5	95.5
Algeria	2980	110.0	104.0	95.5
Algeria	2985	110.5	104.5	95.6
Algeria	2990	111.0	105.0	95.6
Algeria	2995	111.5	105.5	95.7
Algeria	3000	112.0	106.0	95.7
Algeria	3005	112.5	106.5	95.8
Algeria	3010	113.0	107.0	95.8
Algeria	3015	113.5	107.5	95.9
Algeria	3020	114.0	108.0	95.9
Algeria	3025	114.5	108.5	96.0
Algeria	3030	115.0	109.0	96.0
Algeria	3035	115.5	109.5	96.1
Algeria	3040	116.0	110.0	96.1
Algeria	3045	116.5	110.5	96.2
Algeria	3050	117.0	111.0	96.2
Algeria	3055	117.5	111.5	96.3
Algeria	3060	118.0	112.0	96.3
Algeria	3065	118.5	112.5	96.4
Algeria	3070	119.0	113.0	96.4
Algeria	3075	119.5	113.5	96.5
Algeria	3080	120.0	114.0	96.5
Algeria	3085	120.5	114.5	96.6
Algeria	3090	121.0	115.0	96.6
Algeria	3095	121.5	115.5	96.7
Algeria	3100	122.0	116.0	96.7
Algeria	3105	122.5	116.5	96.8
Algeria	3110	123.0	117.0	96.8
Algeria	3115	123.5	117.5	96.9
Algeria	3120	124.0	118.0	96.9
Algeria	3125	124.5	118.5	96.9
Algeria	3130	125.0	119.0	97.0
Algeria	3135	125.5	119.5	97.0
Algeria	3140	126.0	120.0	97.1
Algeria	3145	126.5	120.5	97.1
Algeria	3150	127.0	121.0	97.2
Algeria	3155	127.5	121.5	97.2
Algeria	3160	128.0	122.0	97.3
Algeria	3165	128.5	122.5	97.3
Algeria	3170	129.0	123.0	97.4
Algeria	3175	129.5	123.5	97.4
Algeria	3180	130.0	124.0	97.5
Algeria	3185	130.5	124.5	97.5
Algeria	3190	131.0	125.0	97.5
Algeria	3195	131.5	125.5	97.6
Algeria	3200	132.0	126.0	97.6
Algeria	3205	132.5	126.5	97.7
Algeria	3210	133.0	127.0	97.7
Algeria	3215	133.5	127.5	97.8
Algeria	3220	134.0	128.0	97.8
Algeria	3225	134.5	128.5	97.9
Algeria	3230	135.0	129.0	97.9
Algeria	3235	135.5	129.5	98.0
Algeria	3240	136.0	130.0	98.0
Algeria	3245	136.5	130.5	98.1
Algeria	3250	13		

<p>FIVLVNCIDW*GVK*SY*TTASSPA WLS PQSVNFG*YYLIHL*QHYGHIY MPSIN**NLFFIGH*PIT*LPGLL P*CFLLL*NTYFSHPCFIWLRWRIS RTLLELPLGLSLLLLFFNLALTGGLS DLWINIYTIYERNSTWSLDVSKILY CSLWILVSLIYLISFLLSLISLLLL ILSLMRHIRNLQLNTMGPRDLRMKA HKRAMKMKMKMMVSFLLFFLVHFSS LLPTGWI FLIQK*QANFFVLLTSI IFPSSHFSVLILENCKLRQTAVGPL WHLKCHLKRVKL</p>	
<p>>hGR22 aa MATESDTNLLILAIAEFIISMLGNV FIGLVNCSEIXKNXKVSADFILTC LAISHNGQLLVILFDSFLVGLASHL YTTYRLXKNCIMLWT</p>	<p>>hGR22 nt TATAGGGACNGTGTATGCTTCGTACACTCTCCAAGAAGAAACACTCCGTGAG GTATGTGAGACTGCATNCCTTAGTAGATCTNTTGGGATATATATTCATAAT ATAGAAAAANAGGCAAAGACTTNCCTAAGTATATGAGACTCTATCCAACAG CAGAAGGTTCTGATCAAGACTGGAAGTGAATANAAGCAATGAAGATAAGT ATCAGATATGAATGCTCTTCTGCAATGGTCTGATTGTNACATTATTAATGA TACANAGTATTA AAAA ACTTGGATTTNTTGTCTCTGGAGATGGCCACCGAA TCGGACACAAATCTTCTGATTCTGGCAATAGCAGAATTCATCATCAGCATG CTGGGGAATGTGTTCA TTGGACTGGTAAACTGCTCTGAANGGATCAAGAAC CANAAGGTCTTCTCAGCTGACTTCATCCTCACCTGCTTGGCTATCTCTCAC AATGGACA ACTGTTGGTGATACTGTTTGATTCA TTTCTAGTGGGACTTGCT TCACATCTATATACCACATATAGACTANGAAAAA ACTGTATTATGCTTTGG ACATGACTAATCACTTGACACACTGCTTCGCACGTGCTAGCATATTCTATT CTTAGATAGCCACTTCNACTCCTTGTCTCTGCTGAAGTGGGAT</p>
<p>>hGR23 aa VAFVLGNVANGFIALVNVIDXVNR KISSAEQILTALVVSRI GXTLXH SI P*DATRC*SALYRXEVRIVASN</p>	<p>>hGR23 nt AGGGTTGAGTCGTGCTTATCTTCACTTAACCTAGTATANAANTACAGCATA TAGCAAGGAGAGAATGTATATGAAGAGGAGTGAATTTGAGTCTGTTTGAGA ATAATGACCTTTTCTATTTCTATAAAGACAGTTTTGAATTCATCTATTAGC ATATGCTGGTGCTTGCTGTTGACACTAGTCACTGAATTTAAAGGCAGAAA ATGTTATTGCACATTTAGTAATCAAGTGTTCATCGAAGTTAACATCTGGAT GTTAAAGGACTCAGAACAGTGT TACTAAGCCTGCATTTTTTTTATCTGTTT AAACATGATGTGTTNTCTGCTCATATTTCAATTCGCTGAGAGTTGCA TTTGTCTCTGGAAATGTNGCCAATGGCTTCATAGCTCTAGTAAATGTCTATT GACTGNGTTAACACACGAAAGATCTCCTCAGCTGAGCAAATTCCTACTGCT CTGGTGGTCTCCAGAATTGGTNNACTCTGNGTCATAGTATTCCTTGAGAT GCAACTAGATGTTAATCTGCTCTATATAGGNTAGAAGTAAGAATTGTTGCT TCTAATGCCTGAGCTCGTACGAACCATT</p>
<p>>hGR24 aa MATELDKIFLILAIAEFIIISMLGNV FIGLVNCSEGIKNQKVFSADFILTC LAISTIGQLLVILFDSFLVGLASHL YTTYRLGKTVIMLWHMTNHLTTWLA TCLSI FYFFKIAHFPHSLFLWLRWR MNGMIVMLLILSLFLLIFDSLVLEI FIDISLNIIDKSNLTLYLDESKTLY DKLSILKTLTLLSTSFIPFSLFLTSL LFLFLSLVRHTRNLKLSSLSGRDSS TEAHRRAMKMVMSFLFLFIVHFFSL QVANGIFFMLWNNKYIKFVMLALNA FPSCHSFILILGNSKLRQTAVRLLW HLRNYTKTPNALPL</p>	<p>>hGR24 nt ATGGCCACCGAATTGGACAAAATCTTTCTGATTCTGGCAATAGCAGAATTC ATCATCAGCATGCTGGGGAATGTGTTCA TTGGACTGGTAAACTGCTCTGAA GGGATCAAGAACCAAAGGTCTTCTCAGCTGACTTCATCCTCACCTGCTTG GCTATCTCCACAATGGACA ACTGTTGGTGATACTGTTTGATTCA TTTCTA GTGGGACTTGCTTCACATTTATATACCACATATAGACTAGGAAAAA ACTGTT ATTATGCTTTTGGCACA TACTAATCACTTGACAACCTGGCTTGCCACCTGC CTAAGCATTTTCTATTTCTTTAAGATAGCCCACTTCCCCCACTCCCTTTTCT CTCTGGCTGAGGTGGAGGATGAACGGAATGATTGTTATGCTTCTTATATTG TCTTTGTTCTTACTGATTTTTTGACAGTTTAGTGCTAGAAATATTTATTGAT ATCTCATCAATATAATAGATAAAAGTAATCTGACTTTATATTTTAGATGAA AGTAAAACTCTCTATGATAAACTCTTATTTTAAAACTCTTCTCAGCTTA ACCAGTTTTATCCCTTTTCTCTGTTCTGACCTCCTTGCTTTTTTTTATT CTGTCTTGGTGAGACATACTAGAAATTTGAAGCTCAGTTCTTGGGCTCT AGAGACTCCAGCACAGAGGCCCATAGGAGGGCCATGAAAATGGTGATGTCT TTCCCTTTCTCTTCTATAGTTTCA TTTTTCCTTACAAGTGGCCAATGGG ATATTTTTTATGTTGTGGAACAACAAGTACATAAAGTTTGTCATGTTAGCC TTAAATGCCTTTCCCTCGTGCCACTCATTTATTCTCATTCTGGGAAACAGC AAGCTGCGACAGACAGCTGTGAGGCTACTGTGGCATCTTAGGA ACTATACA AAAAACCAAATGCTTTACCTTTGTAG</p>

<p>>hGR25 .aa LSPFRMLFAIYFLCIITSTWNPRTO QSNLVFLLYQTLAIMYPSFHSFIL MRSRKLKQTSLSVLCQVTCWVK</p>	>hGR25 nt
<p>>hGR26 aa MPPGIGNTFLIVMMGEFII*MLGNG FIVLVNCIDVRSQMILLDNCLTSL AISTISQLWIILLDSFVTALWPHLY AFNKLIKFIHIFWALTNHLVTLWAC CLSVFYFFKIAFYFSHPCFIWLWRRI SRTLLELPLGSLLLFFNLALTGGL SDLWINIYTMVERNSTWSLDVSKIL YCSLWILVSLIYLIISFLLSLISLLL LILSLMRHIRNLQLNTMGPRDLRMK AHKRAMKMKMKMMVSFLLFFLVHFS SLLPTGWIFLIQOK</p>	>hGR26 nt
<p>>hGR27 aa LANLIDWAENQICLMDFILSSLAIC RTLLLGCCVAIRCTYNDYPNIDAVN HNLIKIIITIFDILRLVSK*LGIWFA SYLSIFYLLKVALFHHAIFLWLKWR ISRAVFTFLMIFLFFYISIIISMIKI KLFLDQC*YKI*EKLLEGRCE*SP PSC*PDAH*PGVVYSLYHFSYLMFL VCYLPKGKHCTAVVIGDWLQRPTE AYVRAMNIMIAFFFFHLLYSLGTSLS SVSYFLCKRKIVALGAYLSYPLSHS FILIMENNKVRKAL</p>	
<p>>hGR28 aa NICVLLIILSILVVSAFVLGNVANG FIALINVNDW</p>	>hGR28 nt
<p>>hGR29 aa MQAALTAFFVLLFSLLSLLGIAANG FIVLVLGKEWL</p>	>hGR29 nt
<p>>hGR30 aa MITFLPIIFSILVVVTFVLGNFSNG FIALVNSIEWVKTRKISSADQILTA LVVSRVGLLWVILLHWYANVFNSAL YSSEVGAVASNISAIINHFSIWLAT LSIFYLLKIANFSNLIFLHLKKRI RSVVLVILLGPLVFLICNLAVITMD DSVWTKEYEGNVTWKIKLRNAIHLS NMTVSTLANLIPFILTLICFLLLIC SLCKHLKKMQHLHGKGSQDPSTKVHI KALQTVTSFLLLCAIYFLSMIISVC NFRGRLEKQPVFMFCQAIIFSYPSTH PFILILGNKKLKQIFLSVLRHVRYW VKDRSLRLHRFTRGALCVF</p>	<p>>hGR30 nt ATGATAACTTTTCTACCCATCATTTTTTCCATTCTGGTAGTGGTTACATTT GTTCTTGGAATTTTTCCAATGGCTTCATAGCTCTAGTAAATTCCATTGAG TGGGTCAAGACACGAAAGATCTCCTCAGCTGACCAAATCCTCACTGCTCTG GTGGTCTCCAGAGTTGGTTTACTCTGGGTCATATTATTACATTGGGTATGCA AATGTGTTTAATTCACTTTATATAGTTTCAAGTAGGAGCTGTTGCTTCT AATATCTCAGCAATAATCAACCATTTCACTGCTGCTACTAGCCTC AGCATATTTTATTTGCTCAAGATTGCCAATTTCTCCAACCTTATTTTTCTC CACTTAAAGAAGAGAAATTAGGAGTGTGTTCTGGTGATACTGTTGGGTCCC TTGGTATTTTTGATTGTGTAATCTGTGTGATAACCATGGATGACAGTGTG TGGACAAAAGAATATGAAGGAAATGTGACTTGAAGATCAAATTGAGGAAT GCAATACACCTTTCAAATATGACTGTAAGCACACTAGCAAACCTCATACCC TTCATTCTGACCCTAATATGTTTTCTGCTGTTAATCTGTTCTGTGTGAAA CATCTCAAGAAGATGCAGCTCCATGGCAAAGGATCTCAAGATCCCAGCACC AAGGTCCACATAAAAGCTTTGCAAAGTGTGACCTCCTTTCTCTGTTATGT GCCATTTACTTTCTGTCCATGATCATATCAGTTTGTGATTTTGGGAGGCTG GAAAAGCAACCTGTCTTCATGTTCTGCCAAGCTATTATATTAGCTATCCT TCAACCCACCATTCATCTGATTTTGGGAAACAAGAAGCTAAAGCAGATT TTTTTTTCAGTTTTCGGCATGTGAGGTACTGGGTGAAAGACAGAAGCCTT CGTCTCCATAGATTCAAGAGGGGCATTGTGTGTCTTCTAG</p>
<p>>hGR31 aa MTTFIPIIFSIVVVVLFVIGNFANG FIALVNSIERVKRQKISFADQILTA</p>	<p>>hGR31 nt ATGACAACCTTTTATACCCATCATTTTTTCCAGTGTGGTAGTGGTTCTATT TGTTATTGGAAATTTTGCTAATGGCTTCATAGCATTTGGTAAATTCCATTG AGCGGGTCAAGAGACAAAGATCTCTTTTCTGCTGACCAGATTCTCACTGCT</p>

LAVSRVGLLWVLLLNWYSTVFNPAY YSVEVRTTAYNVWAVTGHFSNWLAT SLSIFYLLKIANFSNLIFLHLKRRV KSVILVMLLGPLLFLACQLFVINMK EIVRTKEFEGNMTWKIKLSAMYFS XMTVTIGAXLVPFTLSLISFLMLIC SLCKHLKKMQLHGEGSQDLSTKVHI KALQTLISFLLLCAIFFLFLIVSVW SPRRLRNDPVVMVSKAVGNIYLAFD SFILIWRTKKLKHTFLLILCQIRC	CTGGCGGTCTCCAGAGTTGGTTTGCTCTGGGTATTATTATTAAATTGGTA TTCAACTGTGTTTAATCCAGCTTTTTATAGTGTAGAAGTAAGAACTACTG CTTATAATGTCTGGGCAGTAACCGGCCATTTTCAGCAACTGGCTTGCTACT AGCCTCAGCATATTTTTATTTGCTCAAGATTGCCAATTTCTCCAACCTTAT TTTTCTTCACCTAAAGAGGAGAGTTAAGAGTGTCTATTCTGGTGATGCTGT TGGGGCCTTTACTATTTTTGGCTTGTCAACTTTTTGTGATAAACATGAAA GAGATTGTACGGACAAAAGAATTGAAGGAAACATGACTTGGGAAGATCAA ATTGAAGAGTGCATGTACTTTTCANATATGACTGTAACTTGGAGCAN ACTTAGTACCCTTTACTCTGTCCCTGATATCTTTCTGATGCTAATCTGT TCTCTGTGTAAACATCTCAAGAAGATGCAGCTCCATGGAGAAGGATCGCA AGATCTCAGCACCAAGGTCCACATAAAAGCTTTGCAAACCTCTGATCTCCT TCCTCTTGTTATGTGCCATTTCTTTCTATTCTAATCGTTTCGGTTTGG AGTCTTAGGAGCTGCGGAATGACCCGGTTGTATGGTTAGCAAGGCTGT TGGAAACATATATCTTGCATTCGACTCATTCATCCTAATTTGGAGAACCA AGAAGCTAAACACACCTTTCTTTTGATTTTGTGTGATAGGTGCTGA
>hGR32 aa HSFMLTMGSRKPKQTFLSAL	
>hGR33 aa MVYFLPIIFSILVVFAFVLGNFSNG FIALVNVIDWVKRQKISSADQILTA LVVSRVGLLWVILLHWYANVFNLSAL YSLEVRIVASNISAVINHFSIWLA SLSIFYLLKIANFSNLIFLHLKKRI KSVVLVILLGPLVFLICNLAVITMD ERVWTKKEYEGNVTWKIKLRNAIHL SLTVTTLANLIPFTLSLICFLLIC SLCKHLKKMQLHSGSQDPSTKVHI KALQTVISFLMLCAIYFLSIMISVW NLRSLNKPVFMFCKAIRFSYPSIH PFILIWGNKKLKQTFLSVFWQVRYW VKGEKPSSP	>hGR33 nt ATGGTATATTTTCTGCCCATCATTTTTTCCATTCTGGTAGTGTGTCATT TGTTCTTGGAATTTTTTCCAATGGCTTCATAGCTCTAGTAAATGTCATTG ACTGGGTTAAGAGACAAAAGATCTCCTCAGCTGACCAAATCTCACTGCT CTGGTGGTCTCCAGAGTTGGTTTACTCTGGGTCATATTATTACATTGGTA TGCAAATGTGTTAATTCAGCTTTATATAGTTTAGAAGTAAGAATTGTTG CTTCTAATATCTCAGCAGTAATCAACCATTTCAGCATCTGGCTTGCTGCT AGCCTCAGCATATTTTTATTTGCTCAAGATTGCCAATTTCTCCAACCTTAT TTTTCTCCACCTAAAGAAGAGAATTAAGAGTGTGTTCTGGTGATACTGT TGGGGCCCTTGGTATTTCTGATTTGTAATCTTGCTGTGATAACCATGGAT GAGAGAGTGTGGACAAAAGAATATGAAGGAAATGTGACTTGGGAAGATCAA ATTGAGGAATGCAATACACCTTTCAAGCTTGACTGTAACCTACTCTAGCAA ACCTCATACCCTTTACTCTGAGCCTAATATGTTTTCTGCTGTTAATCTGT TCTCTTTGTAACATCTCAAGAAGATGCAGCTCCATAGCAAAGGATCTCA AGATCCCAGCACCAAGGTCCACATAAAAGCTTTGCAAACCTGTGATCTCCT TCCTCATGTTATGTGCCATTTACTTTCTGTCCATAATGATATCAGTTTGG AATCTTAGGAGTCTGGAAAACAAACCTGTCTTCATGTTCTGCAAAGCTAT TAGATTCAGCTATCCTTCAATCCACCCATTATCCTGATTTGGGGAAACA AGAAGCTAAAGCAGACTTTTCTTTTCAGTTTTTGGCAAGTGAGGTACTGG GTGAAAGGAGAGAAGCCTTCATCTCCATAG
>hGR34 aa GSSRXKPPRIPHKKLCKLGPSFPHN NLPIYFLCXNHIVLEFLKMRPKKCC SLMLCQAFGIIYPSFHSFILXWGNK TLKQTFLSVXWQVTCWAKGQONQSTP	
>hGR35 aa NAIRPSKLWTVTEADKTSQPGTSANK FSAGNLISHVNMSRRMQLHGKGSQHL TRVHIKAXQTVISFLMLXAIYFLCLI STWNPRTQQSKLVFLLYQTLGFMYLL HSFILTMGSRKPKQTFLSAL	
>hGR36 aa MICFLLIILSILVVFAFVLGNFSNG FIALVNVIDWVKRQKISSADQILTA LVVSRVGLLWVILLHWYSNVLSAL YSSEVIIFISNAWAIINHFSIWLAT SLSIFYLLKIVNFSRLIFHHLKRKA KSVVLVIVLGPLVFLVCHLVMKHTY INVWTKKEYEGNVTWKIKLRNAIHL NLTVSTLANLIPFTLTLSFLLLIY SLCKHLKKMQLHGKGSQDPSTKVHI	>hGR36 nt ATGATATGTTTTCTGCTCATCATTTTTATCAATTCTGGTAGTGTGTCATT TGTTCTTGGAATTTTTTCCAATGGCTTCATAGCTCTAGTAAATGTCATTG ACTGGGTCAAGAGACAAAAGATCTCCTCAGCTGACCAAATCCTCACTGCT CTGGTGGTCTCCAGAGTTGGTTTACTCTGGGTAATATTATTACATTGGTA TTCAAATGTGTTGAATTCAGCTTTATATAGTTTCAGAAGTAATAATTTTTTA TTTCTAATGCCTGGGCAATAATCAACCATTTCAGCATCTGGCTTGCTACT AGCCTCAGCATATTTTTATTTGCTCAAGATCGTCAATTTCTCCAGACTTAT TTTTCATCACTTAAAAAGGAAGGCTAAGAGTGTAGTTCTGGTGATAGTGT TGGGTCCCTTGGTATTTTTGGTTTGTACCTTGTGATGAAACACACGTAT ATAATGTGTGGACAAAAGAATATGAAGGAAATGTGACTTGGGAAGATCAA

KALQTVTSFLLLC AIYFLSMIISVC NFRLEKQPVFMFCQAIIFSYPSTH PFILILGNKKLKQIFLSVFWQMRYW VKGEKPSSP	ACTGAGGAATGCAATACACCTTTCAAACCTTGACTGTAAGCACACTAGCAA ACTTGATAACCTTCACTCTGACCCTGATATCTTTCTGCTGTTAATCTAC TCTCTGTGTAAACATCTCAAGAAGATGCAGCTCCATGGCAAAGGATCTCA AGATCCCAGCACCAAGGTCCACATAAAAGCTTTGCAAACCTGTGACCTCCT TTCTTCTGTTATGTGCCATTTACTTTCTGTCCATGATCATATCAGTTTGT AATTTTGGGAGGCTGGAAAAGCAACCTGTCTTCATGTTCTGCCAAGCTAT TATATTCAGCTATCCTTCAACCCACCCATTTCATCCTGATTTTGGGAAACA AGAAGCTAAAGCAGATTTTCTTTTCAGTTTTTGGCAAATGAGGTACTGG GTGAAAGGAGAGAAGCCTTCATCTCCATAG
>hGR37 aa MITFLPIIFSILIVVTFVIGNFANG FIALVNSIEWVKRQKISSADQISHC SGGVQNWFTLGHIIITLVCNCV*FGF I*IRSKNFWF*CLSNNQAFQHVGV SLSIFHLLKTANFSNLIFLHLKKRI KSVGLVILLGPLLFFICNLFVINMD ESVWTKEYEGNVTWKIKLRSAMYHS NMTLTMLANFVPFTLTLSIFLLLIC SLCKHLKKMQHLHGKGSQDPSTKVHI KALQTVTSFLLLC AIYFLSMIISVC NLGRLEKQPVFMFCQAIIFSYPSTH PFILILGNKKLKQIFLSVLRHVRYW VKGEKPSSS	>hGR37 nt ATGATAACTTTTCTGCCCATCATTTTTTCCATTCTAATAGTGGTTACATT TGTGATTGGAAATTTTGCTAATGGCTTCATAGCTCTAGTAAATTCCATTG AGTGGGTAAAGAGACAAAAGATCTCATCAGCTGACCAAATTTCTCACTGC TCTGGTGGTGTCCAGAATTGGTTTACTCTGGGTCAATATTATTACATTGGT ATGCAACTGTGTTTAATTTGGCTTCATATAGATTAGAAGTAAGAATTTTT GGTTCTAATGTCTCAGCAATAACCAAGCATTTCAGCATGTGGGTGTTACT AGCCTCAGCATATTTTCATTGCTCAAGACTGCCAATTTCTCCAACCTTAT TTTTCTCCACCTAAAGAAGAGGATTAAGAGTGTTGGTTTGGTGATACTAT TGGGGCCTTTGCTATTTTTTCATTTGTAATCTTTTTTGATAAACATGGAT GAGAGTGATGGACAAAAGAAATATGAAGGAAACGTGACTTGAAGATCAA ATTGAGGAGTGCAATGTACCATTCAAATATGACTCTAACCATGCTAGCAA ACTTTGTACCTTCACTCTGACCCTGATATCTTTCTGCTGTTAATCTGT TCTCTGTGTAAACATCTCAAGAAGATGCAGCTCCATGGCAAAGGATCTCA AGATCCCAGCACCAAGGTCCACATAAAAGCTTTGCAAACCTGTGACCTCCT TTCTTCTGTTATGTGCCATTTACTTTCTGTCCATGATCATATCAGTTTGT AATTTGGGAGGCTGGAAAAGCAACCTGTCTTCATGTTCTGCCAAGCTAT TATATTCAGCTATCCTTCAACCCACCCATTTCATCCTGATTTTGGGAAACA AGAAGCTAAAGCAGATTTTCTTTTCAGTTTTTGGGCATGTGAGGTACTGG GTGAAAGGAGAGAAGCCTTCATCTTCATAG
>hGR38 aa MLTLTRIRTVSYEVRSTFLFISVLE FAVGFLTNAFVFLVNFWDVVKRQPL SNSDCVLLCLSLISRLFLHGLLFLSA IQLTHFQKLSEPLNHSYQAIIMLWM IANQANLWLAACLSLLYCSKLIRFS HTFLICLASWSPGRSPVPS	>hGR38 nt
>hGR39 aa LRNAGLNDNAKLVRNNDLLLINLI LLLPLSVFVMCTSMFLVS LYKMHMW MQSESHKLSSARTEAHINALKTVTT FFCFFVS YFAAFMANMTFRIPYRSH QFFVVKIEMAAYPAGHSVIIIVLSNS KFKDLFRRMICLQKE	>hGR39 nt
>hGR40 aa SQYSLGHSYVVIFGYGQMKKTF LGI LWHLKCG LKGRALLATQVGLREKST RSLGVIFLASSYSFFVYVLCH	>hGR40 nt
>hGR41 aa MITFLLIILSILVVFAFVLGNFSNG FIALVNVIDWVNTRKISSADQILTA LAVSRVGLLWVILLHWYANVLNPAL YSSEVIIIFISNISAIINHFSIWLAT SLSIFYLLKIVNFSRLIFHHLKRKA KSVVLVIVLGPLVFLVCHLVMKHTY INVWTKEYEGNVTWKIKLRNAIHLS NLTVSTLANLIPFTLTLSIFLLLIC SLCKHLKKMQHLHSGSQDPSTKVHI KALQTVTSFLMLFAIYFLYLITSTW NL*TQOSKLVFMFCQTLGIMYPSFH	>hGR41 nt

SFILIMGSRKLKQTFLSVLCQVTCL VKGQQPSTP	
>hGR42 aa FIGLTDCIAWMRNQKLCMVGFILTR MALARINIL	
>hGR43 aa LELIFS*KVVATRGLVLGMLGNGLI GLVNCIEWAKSWKVSSADFILTSLA IVRIIRLYLILFDSFIMVLSPHLYT XXXXXXXXXXXXXXXXXXXXXXXXXSL SIFHWFKTANFSNLIFLPLKEED*N VWLGDVAGALGIFHL*SCSENHG*E VCGQKNMKEFCSGMIKLRNAIQLSN LTVTMPANVTPCTLTLSFLLLIYS PCKHVKKMQLHGKGSQHLSTKVHIK VLQTVISFLLCAIYFVSVIISVWS FKNLENKPVFMFCQAIGFSCSSAHP FILTMGNKKLKQTYLSVLWQMR	
>hGR44 aa MITFLPIIFSILIVVIFVIGNFANG FIALVNSIEWVKRQKISFVDQILTA LAVSRVGLLWVLLHWHYATQLNPAF YSVEVRITAYNVWAVTNHFSSWLAT SLSMFYLLRIANFSNLIFLRIKRRV KSVVLVILLGPLLFLVCHLFVINMD ETVWTKEYEGNVTWKIKLRSAMYHS NMTLTMLANFVPLTTLISFLLLIC SLCKHLKKMQLHGKGSQDPSTKVHI KALQTVTSFLLCAIYFLSMIISVC NLGRLEKQPVFMFCQAIIFSYPSTH PFILILGNKKLKQIFLSVLRHVRYW VKDRSLRLHRETRGALCVF	
>hGR45 aa MATELDKIFLILAI AEFIISMLGNV FIGLVNCSEGIKNQKVFSADFILTCL LAISTIGQLLVILFDSFLVGLASHL YTTYRLGKTVIMLWHMTNHLTTWLA TCLSIFFYFFKIAHFPHSLFLWLRWR MNGMIVMLLILSLFLLIFDSLVLLEI FIDISLNIIDKSNLTLYLDESKTLY DKLSILKTLLSLTSFIPFSLFLTSL LFLFLSLVRHTRNLKSSLGSRDSS TEAHRRAMKMVMSFLFLFIVHFFSL QVANWIFFMLWNNKCIKFVMLALNA FPSCHSFILILGNSKLQQTAVRLLW HLRNYTKTPNPLPL	
>hGR46 MSFLHIVFSILVVVAFILGNFANGF IALINFIWVKKQKISSADQIIADK QSPELVCSG	
>hGR47 aa MLNALYSILIIIIINI*FLIGILGNG FITLVNGIDWVKM*KRSSILTALTI SRICLISVIMVRWFI	
>hGR48 aa VSRVGLLWVILLHWYSTVLNPTSSN	

<p>LKVIIIFISNAWAVTNHFSIWLATSL SIFYLLKIVN</p>	
<p>>hGR49 aa TVTMLANLVPFTVTLISFLLLVCSL CKHLKKMHLHGKGSQDPSTKVHIKV LQTVISFLLLCAIYFVSVIISS</p>	
<p>>hGR50 aa MITFLPIIFSILVVVTFVIGNFANG FIALVNSTEWVKRQKISFADQIVTA LAVSRVGLLWVLLLNWYSTVLNPAF YSVELRTTAYNIWAVTGHFSNWPAT SLSIFYLLKIANFSNLIFLRLKRRV KSVILVLLGPLLFLACHLFVVMNMN QIVWTKEYEGNMTWKIKLRRAMYLS DTTVTMLANLVPFTVTLISFLLLVCSL SLCKHLKKMQLHGKGSQDPSTKVHI KVLQTVISFLLLCAIYFVSVIISSVW SFKNLENKPVFMFCQAIGFSCSSAH PFILIWGNKKLKQTYLSVLWQMRV</p>	

<p>>rGR01 aa MMEGHILFFFLVVMVQFVTGVLANG LIVVVHAILIMWKKMAPLDLLLFCSL LATSRILQLCILFAQLCLFSLVRH TLFEDNITFVFIINELSLWFATWLG VFYCAKIATIPHLFLWLKMRISRL VPWLILGSLVLYVIIITFIHSRETSAL ILKPIFISLFPKNATQVGTGHATLL SVLVGLTLPLFIPTVAVLLLIYSL WNYSRQMRMTVGTREYSGHAHISAM LSILSFLILYLHYMVAVLISQVLSL YLGSRFVFCLLVIGMYPHSIHSIVL ILGNPKLKRNAKMFIVHCKCCHCTR AWVTSRSPRLSDLPVPPHPSANKT SCSEACIMPS</p>	<p>>rGR01 nt CAGGAATCATAAATGGCTGAAACTGGGCAGAACTCTATGCATTATTTAAAG AAGTCATTGGTTTGTCTATTCTTAAAATGATGGAAGGGCATATACTCTTCTT CTTTTGGTTGTGATGGTGAGTTTGTCACTGGGGTCTTGGCAAATGGCCCT CATTGTGGTTGTCCATGCTATTGACTTGATCATGTGGAAGAAAATGGCCCC GTTGGATCTGCTTCTATTTTGCCTGGCGACTTCTCGGATCATTCTGCAGTT ATGTATATTGTTTGCACAATTGTGTCTATTCTCTTTGGTGAGACACACTTT ATTTGAGGACAATATTACCTTTGTCTTTCATCATAAATGAACTGAGTCTTTG GTTTGCTACATGGCTCGGTGTTTTCTACTGTGCCAAGATTGCTACCATTCC TCACCCACTCTTTCTGTGGCTGAAGATGAGGATATCCAGGTTGGTACCATG GCTGATCCTGGGATCTGTGCTCTATGTAATTATTACTACTTTTCATCCATAG CAGAGAGACTTCAGCAATCCTTAAACCAATTTTTATAAGCCTTTTTCTCTAA AAATGCAACTCAAGTCGGAACAGGGCATGCCACACTACTCTCAGTCTCGGT CCTTGGGCTCACACTGCCGTTGTTCTCTTTACTGTTGCTGTTCTGCTCTT GATATACTCCCTGTGGAATTATAGCAGGCAGATGAGGACTATGGTAGGCAC CAGGGAGTATAGCGGACATGCTCACATCAGTGCAATGCTGTCCATTCTATC ATTCCTCATCCTCTATCTCTCCCACTACATGGTGGCTGTTCTGATCTCTAC TCAAGTCCTCTACCTTGAAGCAGAACCTTTGTATTCTGCTTACTGGTTAT TGGTATGTACCCCTCAATACACTCGATTGTCTTAATTTTAGGAAATCCTAA GCTGAAACGAAATGCAAAAATGTTTCATTGTCCATTGTAAGTGTGTGTCATTG TACAAGAGCTTGGGTCACTCAAGGAGCCCAAGACTCAGTGACTTGCCAGT GCCTCCTACTCATCCCTCAGCCAACAAGACATCCTGCTCAGAAGCCTGTAT AATGCCATCCTAATTGTCCAGCCTGAGGTTTAATCCTAGGTTTGGTACTAT TTCAAAGAGTAAAGTTGATCATTAAAGCACACATATGTTGGTGGATGACA TCAAGGTCCATATCCAGTTGTCAATTGTAAACCTCACCTTGCAAGATGAT GTCACTGAGAAAGCAGGACAAATGGAGTCTAGGTCCTTCTGTATGACTTGC TGCAGTATATGTAATCTATAATTTTCTCCAAAAAACAAAAA AAAAA</p>
<p>>rGR02 aa MFSQKTNYSHLFTFSIIFYVEIVTG ILNGFIALVNIMDWLKRRISTAD QILTALALTRLIYVWSVLICILLF LCPHLSMRPEMFTAIGVIWVVDNHF SIWLATCLGVFYFLKIASFSNSLFL YLKWRVKVVLMIILISLIFLMLNI SSLGMYDHFISIDVYEGNMYSYNLVS THFPRIFLFTNSSKVFLIANSSHVF</p>	<p>>rGR02 nt (3'UTR not pristine) ATTTTGCTCCACTATTTTGTCTTCTGCGTAACACAGACCACAAAACAAT GGAGCCAATGGGTCAAGAGCTGAACTTCAGGAAGTGGGAGCCAAATTTTC TTTGTGATAGGTTGGCATATGAGAATTCATTATTTGATGCAGCTTCTGAAA ACTGGATGTGAAATACTGGATGAAGCAGAGGTGATGACCCCTTTGAAATTA AAAAGCCAAGATGTTTCATGGAGAAATTATAAAACAATATCTGGGAAATTTG ATGCTTCCTAATCGGGTGTAAATGGGATTTTAAATGATGAACATTTTGAAT TTCCAATGACCATTATGTAAAGTTTTTAAACACAGTAGAGACATCATAAAT TGAAGCATGTTCTCACAGAAACAACTACAGCCATTTGTTTACTTTTTCA ATTATTTTTTATGTGGAATAGTAACAGGAATCTTAGGAAATGGATTCTATA</p>

GCAC TAGTGAATATCATGGACTGGCTCAAGAGGAGGAGGATCTCTACTGCA
GATCAGATTCTCACTGCTTTGGCCCTTACCAGACTCATTTATGTGTGGTCT
GTACTCATTTGTATATTGTTACTATTCTGTGCCACATTGTCTATGAGA
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AAA

>rGR03 nt (cds pristine; 3'UTR not so hot)
GCATGGTGCCAAACCAAGTCACCATCTTCTCTATCATCATGTATGTGCTTG
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<p>>rGR04 aa MLSAAEGILLCVVTSEAVLGLVLDGT FIALANCMYAKNKKLSKIGFILIG LAISRIGVWIIILQGYMQVFFPHI LTFGNITEYITYIWFVFLNHLVSWFA TNLNILYFLKIANFNSVFLWLKSR VRVVFIFLSGCLLTSWLLCFPQFSK MLNNSKMYWGNTSWLQQQKNVFLIN QSLTNLGIFFFIIVSLITCFLLIVF LWRHIRQMHS DGSLRDLNTEAHVK AMRVLISFAVLFILHFVGLSIQVLC FFLPQNLLFITGLIATCLYPCGHS IILILGNKQLKQASLKALQHLTCE TKRNLSVT</p>	<p>>rGR04 nt (pristine cds; 3'UTR not so hot) TGGTTCATCATGACAATAGGCTTGAAAACTTGAGATAGAGAAGACA TAACCCCTCCAACAAGAAGCCAACATATGGGACATTCTCCAGCAGATAATT TATACAGATGCAACGGGAGCAACTTCGAGATCTGCAAAGATGCTGAGTGC AGCAGAAGGCATCCTCTTTGTGTTGCTACTAGTGAGGCAGTGCTGGGGT TTTAGGAGACACATTCATTGCTTGCAAACTGCATGGAGTATGCCAAGAA CAAGAAGCTCTCTAAGATTGGTTTCATTCTCATTGGCTTGCGGATTTCCAG AATTGGTGTGCTATGGATAATAATTTTACAGGGGTATATGCAAGTATTTTT TCCACACATACTTACCTTTGGAAACATACTGAATATATTACTTACATATG GGTGTCTTCAACTACTTAAGTGTCTGGTTTTGCTATCAACACTCAATATCT CTACTTTCTAAAGATAGCAAAATTTTTCCAACCTGTATTTCTCTGCTGAA AAGTAGAGTCCGTGTGGTTTTTATCTTTCTGTCAGGATGCTTACTTACCTC GTGGTTACTATGTTTTCCACAATTTTCAAAGATGCTTAAACAACAGTAAAAAT GTACTGGGGAAACACGCTCTTGGCTCCAGCAGCAGAAAAATGTCTTCCCTAT TAACCAAAGTTTAAACCAATCTGGGAATCTTCTTTTATTATTTGATCCCT GATTACCTGCTTCTGTTGATTGTTTTCTCTGGAGACACATCAGGCAAAT GCACTCAGATGGTTCAGGACTCAGAGACCTCAACACAGAAGCTCATGTGAA AGCCATGAGAGTTCTAATATCTTTTGCGGTACTCTTATCCTGCATTTGCT AGGCTCTTTCCATACAAGTGCATGCTTTTTCTGCCACAAAACACCTACT CTTTATAACTGGTTTTGATAGCCACATGCCTCTATCCCTGGTGGTCACTCAA</p>

>rGR05 aa
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LSPINIFYELISYLWIITSLQNVWFA
TSLISIFYELKIANFSSHIFLWLKRR
INIVFAFLIGCLLMSWLFSPVVK
MVKDKKMLYINSSWQIHMKKSELI
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>rGR05 nt
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SLILILANSRLKRCFVRILQQLMCS EEGKEFRNT	ATCATTAATACTATGTTTCCCAATGGGGAGATATTTTACTTTTTATAATA ATGTTAATTGTATGTTTCTCTTAATTATTTCCCTTTGGAGACACAGCAAG TGGATGCAATCAAATGAATCAGGATTCAGAGATCTCAACACAGAAGTTCAT GTGAAAACAATAAAAGTTTTATTATCTTTTATTATCCTTTTTTATATGCAT TTAATTGGTATTACCATCAATGTCAATTGTCTGTAGTCCCAGAAAATAAC TTGTTATTTCGTGTTTGGTTTGACGATTGCATTCCTCTATCCCTGCTGCCAC TCACTTATCCTAATCTAGCAAACAGCCGGCTGAAACGATGCTTTGTAAAGG ATACTGCAACAATTAATGTGCTCTGAGGAAGGAAAAGAATTCAGAAACACA TGACAGTCTGGAAGACAAACAATCAGAAATAGTAAGTGAAAAAATAAAAA AAAAA
>rGR06 aa (partial) EALVGILGNAFIALVNFMGWMKNRK ITAIIDLILSSLAMSRICLQCIILLD CIILVQYPDTYNRGKEMRIIDFFWT LTNHLVWFATCLSIFYFFKIANFF HPLFLWIKWRIDKLILRTLACLIL SLCFSLPVTENLADDFRRCVKTKER INSTLRCKLNKAGYASVKVNLNLVM LFPFSVSLVSFLLILSLWRHTRQM QLNVTGYNDPSTTAHVKATKAVISF LVLFIVYCLAFLIATSSYFMPPESEL AVIWGELIALIYPSSHSFILILGNS KLKQASVRVLCRVKTMKGRKY	>rGR06 nt (5'-truncated) GTGAGGCCCTTAGTAGGAATCTTAGGAAATGCATTTCATTGCATTGGTAAACT TCATGGGCTGGATGAAGAATAGGAAGATCACTGCTATTGATTTAATCCTCT CAAGTCTGGCTATGTCCAGGATTTGTCTACAGTGATAAATCTATTAGATT GTATTATATTGGTGCAGTATCCAGACATTACAACAGGGGTAAAGAATAAG GGATCATTGATTTCTTCTGACGCTTACCAACCATTAAAGTGTCTGGTTTG CCACCTGCCTCAGCATTCTTCTATTTCTCAAGATAGCAAACCTTCTTCCATC CTCTTTTCTCTGGATAAAGTGGAGAATTGACAAGCTAATTCCTGAGGACTC TACTGGCATGCTTATTCTCTGCTTATGCTTTAGCCTCCAGTCATGAGA ATTTGGCTGATGATTCTCTACGCGTGTGTCAAGACAAAAGAAAGAATAA CTACTCTGAGGTGCAAATTAATAAAGCTGGATATGCTTCTGTCAAGGTAA ATCTCAACTTGGTTCATGCTGTTCCCTTTTCTGTGTCCCTTGTCTCATTCC TTCTCTTGATTCTCTCCCTATGGAGACACACCAGGCAGATGCAACTCAATG TAACAGGGTACAATGATCCAGACAAACAGCTCATGTGAAAGCCACAAAAG CAGTAATTTCTTCTTAGTTCTGTTTTATTGTCTACTGCTGGCCTTTCTTA TAGCCACTTCCAGCTACTTTATGCCAGAGAGTGAATTAGCTGTAATTTGGG GTGAGCTGATAGCTCTAATATATCCCTCAAGCCATTTCATTATCCTGATCC TTGGGAACAGTAAACTAAAACAGGCATCTGTAAGGGTCTTTGTAGAGTAA AGACTATGTTAAAGGGAAGAAAATATTAGCATCATGGATATATTGAAGAA AAACTATCACTGTCTAAAGAAAAAGGATGACAAATCATTATCTTTCACTCT TATATGAATATTGCTTTTCATGCGGTAACATCTTTTAACAACTTAAATCAA ATGTTGGGAAATCTCATATACAGCAACTTTGCATGTCTCTCTGTCTATTTCC CTCTCCCTTTGTACATAGTTGACATAAAAAAGAATTTTCATGACAAAAT TGTAATAAATAGCTACAGAGGCAGCACATTTTCATAGTAAGTCTGTAATCA CTCTTCCAAATGCAAAGCTGCCTGACAAATTCAAACAACGTGAACAGTAT TTCAGTGTGTTTGCATTCTTTGGAAAAGCAGGTGGTTTGTTCCTATGACC TGACTTGGAGTTTTCTTCTTACATCACTG
>rGR07 aa MGSSLYDILTIIVMIAEFIFGNVTNG FIVLTNCIAIWLKSKRTLSFIGWIQLF LAISRVLIIWEMLLAWLKYMKSFS YLAGTELVRMMLTWVVSNNHFSWLWA TILSIFYLLKIASFSRPVFLYLKWR VKKVLLILLGNLIFLMFNILQINT HIEDWMDQYKRNI TWDSRVNEFVGF SNLVLLEMIMFSVTPFTVALVSFIL LIFSLWKHLQKMHLSRRGERDPSTK AHVNALRIMVSLFLLYATYFISFFI SLIPMAHKMGGLDLMFSLTVGLFYPS SHSFILILGHSNLRHSSCLVITYLR CKEKD	>rGR07 nt CAGTAGCAAAATTTTACTATGTTTCATTGATATTATGTCAAnGnCACTACGTA AGAAGGAAGACTTGAAAGAAAGCTTATCTGAGTTTTTAAGAATACATGGAC ATTTCAAGCTTGGCAAATGACGAGCTGTGAATTTTTGTCTGTCAGCATGGG AAGCAGCCTGTATGATATCTTAACTATTGTTCATGATTGACAGATTTATATT CGGAAATGTGACCAATGGATTATAGTGTGACAACTGATTGCTTGGCT CAGTAAAAGAATCTTTTCTTTCATTGGTTGGATCCAGCTTTTCTTGGCCAT TTCAGAGTGGTTTTGATATGGGAAATGTTACTAGCATGGCTGAAATATAT GAAGTATTCATTTTCATATTTGGCTGGCAGAGAATTAAGGGTTATGATGT GACCTGGGTAGTTTCCAATCACTTTAGTCTCTGGCTTGGCCACCATCTAAG CATCTTTTATTGCTCAAAATAGCTAGTTTCTCCAGACCTGTTTCTCTGTA TCTGAAGTGGAGAGTAAAAAAGTGCTCCTGCTGATTCTTCTCGGAAATTT AATCTTCTGATGTTCAATATATTACAAATCAACACTCACATAGAAGACTG GATGGATCAATATAAGAGAAATATAACGTGGGATTCCAGAGTGAATGAATT TGTGGGGTTTTCAAATCTGGTTTTATTGGAGATGATTATGTTCTCTGTAAC ACCATTCACCGTGGCTCTGGTCTCCTTTCATCTGTTAATCTTCTCTTTATG GAAACATCTCCAGAAGATGCATCTCAGTTCAGAGGGGAACGAGACCCTAG CACAAAAGCCCATGTGAATGCCCTGAGAATTATGGTCTCCTTCTCTTACT CTATGCCACTTACTTCATATCCTTTTTTATATCATTAATTCCTATGGCACA TAAAAAGGACTAGATCTTATGTTTAGCCTAACTGTGGACTTTTCTACCC TTCAAGGCCACTCATTTATCTTGATTTTGGGACATTCTAATCTAAGGCATTC CAGTTGTCTGGTGATAACCTATCTGAGATGTAAGGAAAAGGATTAGAATTT CACTATTCCATAAGGCAGTTAAACCACATGCTATTAGGTATACTCAGTGCT AGATCCCTAGGCAAGCATTAACATTAATAATATAATTTCTAGATTTCTTC TATTTGTGATAAACCCACTCTAGAATAATGCTAAGTAGCGTGATGTG TATATAAGTGTAAAGATAAAATGTAATTAATTTAGTTTAGGCACAATAACA

<p>>rGR08 aa</p> <p>MEPVIHVFATLLIHVEFIFGNLSNG LIVLSNFDWVVKRLSTIDKILLT LAISRITLIWEMYACFKIVYGSSSF IFGMKLQILYFAWILSSHFSLWFAT ALSIFYLLRIANCWKIFLYLKWRL KQVIVGMLLASLVFLPGILMQRTLE ERPQYGGNTSEDSMETDFAKFTEL</p>	<p>TATGCTCTACTAAGTAAAACTAGGACAGGCTGCTACACGCATATTAGAATCT AGGCTGAGGTATATAGACTCAAGAAATACTGTGGAATAAAGATTTTAATTT TCATTCTATTGTGAGTTATGTGAAATCAATGCCATTAAAGGCATACACAAG ATTTTCACACACTGAAACAACCTTCTTGCATTTTGTGCATATTGTATTGGAAG TAAATTGGAGATAAACTTAATATCAATAAATTACAAAATGTAAACATAAA AGGGTGATTAAAAATTAGCCTCTAGGTCCTGGGGAAATGATTCaAGTAAAG TGCTTTCTTTTCAAATAGGAGAATCTGATTGTAAATCATCTAAAAGTCTGG CATAAAATGTCAATGAAAATTGTATGTAAAAATATAGCTATgGcmAAGAGCA CCmAAGAAAAGAAAATTTTGCCTTTGAAACCCAGTAATTGATATCCTTTTA AAAAAGCAGTTACATATTTTCTGTTTAAAGATTTTGTCAAAGGGTAGCTTT GACAACATAATATAAGCTGAGGAAGGTAGCAAGTGTGAAGTCAGCTAATGGG GTCAGTCAAGTGCTGTTAGCAGCAGATGGAGGCCACTGCTGAATTTAGCAG GCAATTTACAGGGGTGAGCACTGCTAGTGCTGACAGAAGAAAAACTCTGAAA TTTTAACTCTTTAGGGTCTGGTGAGAAAAGAAAAGAGAGAAAATCCGATAT AT TCATGGAAGCTCTAACAGTTGACTCAAACAACCTTTATGATGTTTTTAGGC CCTTTTATTTTAAATGTCAAGTGAATTAGGTGTGGTACAGCAATATTGCTACT TTTAAATTCAAAGCAGTTGTTTTATATATTATTTCATTATATAAGCTAATTA TAAGTTTAAATCAAAGGTTTATTTGTCCATGATTTTACTTTATCATTTGGG CACACCTGTGCTCTCATCCTTGGGCTTGACCTAGAATGAAGTTTATCCTTT GATCATATGTCTGTCAAGACTACTTCTCTTCTCTATAGTAGTTTATGTAC TTACAATATACAAAAGTTTATTGAATTCCTTTTATCACTTATGCAGCCTTT TCTTACTATTCTATTCTATTCTATTCTATTCTATTCTATTCTATTCTATTCT TATTCTATTCTATTCTATTCTATTCTATTCTAGAATCTAACCTTATACATTC ATTTCTGGCAAAAACAACCTTATATCATCTCCTTAATTATTTTATCAATTAAT CTAACATCCTGAAGTTATTTAAATCTAATAAAGGACTCTGTAAAGTCACA AATTTATTATACCTTACAAAATTCATTATTTTATGGAAGTGCAGCATTGC CTGGGCCAGGAGTCACAAGAGTTCCAGAGTTGACTTTATTGGCATCTGCCT GGCTAACTGAAGGATCAGTTTCTGTGTACAATAATTTTGTGTATCTCTTT TGATGCAAGATATGAAAAATAATTTTCAGTCTAAAAGTGTCTTAAATTTGA AACTCTCTGGCCAGAATCTAACTATTGATGACCAGTTTGCACCATGGACTC AGTGTCTTCTATTGCTTTAAAAATAAGCAACATCTTGAATGCTTTTCTGTG TATTAGGCAAATAATTAACAACATGTTTCTATGATTGTCTCAATAACAATA CTATATTTCTCACAGTTTTTAATTTTTTATGGCAAAAGTTGGCTAATAAGAAT TTTTTTCAAATTATCAAACGTGAAGAAAACCTTGACATTTTATTTTCATGGAG ATTCTAAATGTTTTCTTAGCATATTGCCTTTTTTACTAACTTGATTTTTATC ATGTTTTGGTAGTATTTCTAATTTTTCTTTTTTTTCTAAGTATGTTATGTAG TAACACCAGGAGAATGAAACAAATGACATTTATACTAAGGATGTGACAAAT AAGGCCCCAAGAAAGTTTTGAAAATCATGATCTCATTTCTATTCTCTTTTA TTAAGTATAGCATAAGCAAATCTGATGGTGGTCTTGGCCCATATCTTTG AACACAGTGTAGTGGTGAAGACTTTTTCAAATATTATGTGCATATTTGTACC CATCTCTGTACCTATTTCTTCTGATTTTCATGAGGAAAAAATGAGGAAGGGT TTGTTTGTGTGCTGGAGCAGCTGAAGTGGACCAAGGGGCAGGAATTTCTCTC TGTTCCGTCTAGTGTGACTGATGATGCTCTCATTGAAAAACAGGAAGAAG AAGAAAGACTTTATATGCACCATTCACTCCTTCCCCCTCTACATTCCACC TCCCTCTTGAAAGAGTGTCTATCTATATAGATATAGCTATCCTGAAATCCA TTAAGTAGACCTGACTGGCTTAAATCTCACAGAAATTCACCTACCTTTTCC ATGATTGCTGAAATTAAGACATGTGCCGACATATTGGGCACATTACAGAC TTTTGCCAAGTGTCTTTCAACTCATTGGACCTACTGAGAAGTATCAAAA TATTTGGTTGTTTTAAATAAAAGGAAAGTGGGTCTATATTACTTGAATTGG ATAGAGAAATTTTCACTTACAAGTGATATTGAAAATGGGGGAGAATGTATT TTAGCATAAGCACCAGAACACAAAGCAATTTCTGTAAAACCTTTATCGATA AATTGGATAAATGTTAAAAAGAAAAAATAAAATATACGAACATTATGAA AAAAAAAAAAAAAAAAA</p>
<p>>rGR08 nt</p> <p>CTGCAGGTTGGTGATCCAGTAATGAGCAGCACTGTTATATCTCAGGCTTTT TAAGATCATGGAACCTGTCATTACGCTCTTTGCCACTCTACTAATACATGTT GGAGTTTCATTTTGGGAATCTGAGCAATGGATTAAATAGTGTTGTCAAACCT CTGGGACTGGGTGCTTAAACGAAAACCTTTCCACAATTGATAAAATCTTCT TACATTGGCAATTTCAAGAACTCACTCTCATCTGGGAAATGTATGCTTGT TAAATTTGTATATGGTTCATCTTCATTATATTGGGATGAAGTTACAAAT TCTTTATTTTGCTGCTGTTATCTTACTAGTCACTCAGCCTCTGGTTGGCCAC AGCTCTCAGCATCTTTTACTTACTCAGAATAGCTAACTGCTCCTGGGAAGA A</p>	<p>>rGR08 nt</p> <p>CTGCAGGTTGGTGATCCAGTAATGAGCAGCACTGTTATATCTCAGGCTTTT TAAGATCATGGAACCTGTCATTACGCTCTTTGCCACTCTACTAATACATGTT GGAGTTTCATTTTGGGAATCTGAGCAATGGATTAAATAGTGTTGTCAAACCT CTGGGACTGGGTGCTTAAACGAAAACCTTTCCACAATTGATAAAATCTTCT TACATTGGCAATTTCAAGAACTCACTCTCATCTGGGAAATGTATGCTTGT TAAATTTGTATATGGTTCATCTTCATTATATTGGGATGAAGTTACAAAT TCTTTATTTTGCTGCTGTTATCTTACTAGTCACTCAGCCTCTGGTTGGCCAC AGCTCTCAGCATCTTTTACTTACTCAGAATAGCTAACTGCTCCTGGGAAGA A</p>

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<p>>rGR10 aa (partial) MFLHTIKQRDIFTLLIIFFVEITMG ILGNFIALVNIVDWIKRRRISSVD KILTTLALTRLIYAWSMLIFILLFI LGPHLIMRSEILTSMGVIWVVNNHF SIWLATCLGVFYFLKIANFNSLFL YLKWRVKKVLM</p>	<p>>rGR10 nt (3'-truncated?) CCCCGGCTGCAGGATTCCGGCACGAGAATGAAAACCTTTTGTCTACTATTTT GCTGTTCTGTGATACCACAGACCATAAAACAATCGAGCCAAGGGATCAAGA GCTGAAACTTCAGAAAGTGGGAATCAAATTTCTTCTGATAGGTTAGCTT ATGAGAATTCAGCATCTTATTCAACTTCAGAAAATTTGGATATAAGATACAG TGTCTGGATGAAGCCGAATTGATCTATTTGGGGAGAAAAACGCCAACATT TATAATAAGGTTTATGAGACAGTTCCTGGGAAATTTGGATATTTCTAGT TAGTAATGTGTAATGGGATTTTAAACATGATTATTTGTATTTTAAACA ACCAACATGAGGAGCTTTTTAAATGCCACTTAGACATTATAAATGAAACA TGTTCTTACACACAATAAAGCAACGTGATATTTTACTTTGATAATCATAT TTTTTGTGGAATAACAATGGGAATCTTAGGAAATGGATTCATAGCACATAG TGAACATTGTGGACTGGATCAAGAGAAGAAGGATTTCTTCAGTGGATAAGA TTCTCACTACCTTGGCCCTTACCAGACTCATTATGCGTGGCTATGCTCA TTTTTATATTGTTATTCATACTGGGCCCCGATTGATTATGAGATCAGAAA TACTTACATCAATGGGTGTTATCTGGGTGGTGAACAATCACTTCAGCATCT GGCTTGCTACATGCCTCGGTGTCTTTTATTTTCTCAAGATAGCCAATTTT CTAACTCTTTGTTTCTTTACCTAAAGTGAGAGTTAAAAAGTGGTTTTAA TG</p> <p>... poly (dA) ???</p>
<p>>rGR11 aa GSGNGFIVSVNGSHWFKSKKISLSD FIITSLALFRIFLLWIIFTDSLIIIV FSYHAHDSGIRMQLIDVFWTFTHF SIWLISCLSVFYCLKIATFSHPSFL *LKSR</p>	<p>>rGR11 nt GGATCCGGAAACGGTTTTATCGTGTCACTCAATGGCAGCCATTGGTTCAAG AGCAAGAAGATTTCTTGTCTGACTTCATCATTACCAGCTTGGCCCTCTTC AGGATCTTTCTGCTGTGGATCATCTTTACTGTATAGCCTCATAATAGTGTTT TCTTACCACGCCCCAGACTCAGGGATAAGGATGCAACTTATTGATGTTTTT TGGACATTTACAACCCACTTCAGTATTTGGCTTATCTCCTGTCTCAGTGTT TTCTACTGCCTGAAAATAGCCACTTTCTCCACCCCTCATTCTGTAGCTC AAATCTAGA</p>
<p>>rGR12 aa MLSTVSVFFMSIFVLLCFLGILANG FIVLMLSREWLRGRLLPSDMILLS LGTSRFCQQCVGLVNSFYYSLHLVE YSRSLARQLISLHMDFLNSATFWFG TWLSVLFCIKIANFSPAFWLWKWR FPALVPWLLGSILVSFIVTLMFFW GNHTVYQAFLLRRKFSGNTTFKEWNR RLEIDYFMPLKLVTTSPCSLFLVS ILLINSLRRHSQRMQHNASHLQDP NTQASRLKSLISFLVLYALSYS MVIDATVVISSDNVWYWPWQIIILYL CMSVHPFILITNNLKFRGTFRQLLL LARGFWVT</p>	<p>>rGR12 nt GTGTGAGGGACTGTGGGTAGGGGCTGGGAGGAGGCCAGGAACCAAGGCAAC CAGTGGTGACAGGAGGGGCTGAAATGCTATCAACTGTATCAGTTTTCTTCA TGTCGATCTTTGTTCTGCTCTGTTTCTGGAATCCTGGCAAACGGCTTCA TTGTGCTGATGCTGAGCAGGGAATGGCTATGGCGCGGTAGGCTGCTCCCT CAGACATGATCCTCCTCAGTTTGGGCACCTCCCGATTCTGCCAGCAGTGCG TTGGGCTGGTGAACAGTTTCTACTATTCCCTCCACCTTGTGAGTACTCCA GGAGCCTTGCCCGCTCAACTCATTAGTCTTCACATGGACTTCTTGAACCTCAG CCACTTTCTGGTTTGGCACCTGGCTCAGCGTCTGTTCTGTATCAAGATTG CTAACTTCTCCCATCCTGCCTTCTGTGTTGAAGTGGAGATTCCCAGCAT TGGTGCCCTTGGCTCCTACTGGGCTCTATCTTGGTGTCTTCATCGTAACTC TGATGTTCTTTTGGGGAACCACTGTCTATCAGGCATTCTTAAGGAGAA AGTTTTCTGGGAACACAACCTTTAAGGAGTGGAAACAGAAGGCTGGAAATAG ACTATTTTCATGCCTCTGAACTTGTCAACAGTCAATTCTTGTCTCTCTTT TTCTAGTCTCAATTTTGTCTGTGATCAATTTCTCAGAAGGCATTACAAA GAATGCAGCACAATGCTCACAGCTTGAAGACCCCAACCCAGGCTCACA GCAGAGCCCTGAAGTCACTCATCTCATTCTGTTCTTTACGCGCTGTCTCT</p>

<p>>mGR01 aa (notional)</p> <p>MQHLLKTIFVICHSTLAIILIFELI IGILGNGFMALVHCMDVVKRKKMSL VNKILTALAISRI FHLSLLLISLVI FFSYSDIPMTSRMTQVSNNVWIIVN HFSIWLSTCLSVLYFLKISNFSNSF FLYLKWRVEKVVSVTLVSLLLIL NILLINLEISICIKECQRNISCFS SHYYAKCHROVIRLHIIFLSVPVVL</p>	<p>>mGR01 nt</p> <p>AGCTGTGCGTGAGCAAAGCATTTCTTGTCTGCCACTTCTGAGCTGTGTGAG GAGACACATTATCACGGAAGAGATTACAGACTCTGTGCGTGTCAAACCTGT ATGTTTGCCTCCTCTTTTACTGTGAAGGCAGAGTTACGAAAAAAATGTTAT GAGAACCACCTCAGAAATTGACAAAAATTTTCTAAATGTCATTTTTAAAAA TTATATTTCAAATGGAAATGTGAGCAAATCTTTATACTAATATATAAAAT GCAGCATCTTTTAAAGACAATATTTGTTATCTGCCATAGCACACTTGCAAT CATTTTAACTCTTTGAATTAATAATTGGAATTTTAGGAAATGGGTTCTAGGC CCTGGTGCACTGTATGGACTGGGTTAAGAGAAAGAAATGTCCTTAGTTAA TAAATCTCTACTGGTTTGGCAATCTCAGAATTTTTTCATCTCAGTTTATT</p>
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<p>SLSTFLLLI FSLWTLHQRMQQHVQSG GRDARTTAHFKA LQTVIAFFLLYSI FILSVLIQNE LLKKNLFVVFCEVVY IAFPTFHSYILIVGDMKLRQACLPL CIIAAEIQTTL CRNFRSLKYFRLCC IF</p>	<p>GCTTATAAGTTT AGTTAGT CATATTCTTTTCATATTCTGATATTCC TATGACTTC AAGGATGACACAAGTCAGTAATAATGTTTGGATTATAGTCAATCATTTTCAG TATCTGGCTTTCTACATGCCCTCAGTGTCTTTATTTTCTCAAGATATCCAA TTTTTCTAACTCTTTTTTTCTTTATCTAAAGTGGAGAGTTGAAAAAGTAGT TTCAGTTACACTGTTGGTGTCTATTGCTCCTCTGCTGATTTTAAATATTTTATT AATTAACCTTGGAAATAGCATATGCATAAAGGAATGTCAAAGAAACATATC ATGCAGCTTCAGTTCTCATTACTATGCAAAGTGTACAGGCAGGTGATAAG GCTTCACATTATTTTCTGTCTGTCCCCGTTGTTTTGTCCCTGTCAACTTT TCTCCTGCTCATCTTCTCCCTGTGGACACTTCACCAGAGGATGCAGCAGCA TGTTCAGGAGGCAGAGATGCCAGAACCCAGGCCACTTCAAAGCCCTACA AACTGTGTATTGCAATTTTCTCTACTATATTCCATTTTATTCTGTCTGTCTT AATACAAATATGAATTACTGAAGAAAAATCTTTTCGTTGTATTTTGTGAGG TTGTATATATAGCTTTTCCGACATTCCATT CATATATTCTGATTGTAGGAG ACATGAAGCTGAGACAGGCCTGCCTGCCTCTCTGTATTATTCGCAGCTGAAA TTCAGACTACACTATGTAGAAATTTTAGATCACTAAAGTACTTTTAGATTAT GTTGTATATTCTAGACAAAAATTAAGTATACAAATGTCTTTTGTATTTTT CATTTTAAATATCCTTTAATTTTGACTGCATGAAATTGATTTCTGCTTGCA ATTATCACTGATTA AAACTATTAATAATTTAACTAGTTGTATACAAGG</p>
<p>>mGR02 aa MESVLHNFATVLIYVEFIFGNLSNG FIVLSNFLDWVVIKQLSLIDKILLT LAISRITLIWEIYAWFKSLYDPSSF LIGIEFQIIYFSWVLSSHFSWLAT TLVSFYLLRIANCSWQIFLYLKWRL KQLIVGMLLGSLVFLGNLMQSMLE ERFYQYGRNTSVNTMSNDLAMWTEL IFFNMAMFSVIPFTLALISFLLLI SLWKHLQKMQLISRRHRDPSTKAHM NALRIMVSFLLLYTMHFLSLLISWI AQKHQSELADIIGMITELMPSPVHS CILILGNSKLKQTS LCMRLRHLRCRL KGENITIAYS NQITSFCVFCVANKS MR</p>	<p>>mGR02 nt CAGCAGAGTGAAAACTCATGGGCCACTTGGTCACCCAGGGACAGGCGACG CTGTTATATGCCAAGCTTTCTATGAACATGGAATCTGTCCTTCACAACCTT GCCACTGTACTAATATACGTGGAGTTTATTTTTGGGAATTTGAGCAATGGA TTCATAGTGTTGTCAAACCTTCTTGGACTGGGTCAATTAACAAAAGCTTTCC TTAATAGATAAAATCTTCTTACATTGGCAATTTCAAGAATCACTCTCATC TGGGAATATATGCTTGGTTTTAAAGTTTATATGATCCATCTTCTCTTTTA ATTGGAATAGAATTTCAAATTATTTATTTTAGCTGGGTCTTTCTAGTCAC TTCAGCTCTGGCTTCCACAACCTCTCAGCGTCTTTATTTACTCAGAATA GCTAACTGCTCCTGGCAGATCTTTCTATTTGAAATGGAGACTTAAACAA CTGATTGTGGGGATGTTGCTGGGAAGCTTGGTGTCTTCTGCTGGAAATCTG ATGCAAAAGCATGCTTGAAGAGAGGTTCTATCAATATGGAAGGAACACAAGT GTGAATACCATGAGCAATGACCTTGCATGTGGACCAGCTGATCTTTTTTC AACATGGCTATGTTCTCTGTAATACATTTACATTTGGCCTTGATTCTTTT CTCCTGCTAATCTTCTCTTGTGGAACATCTCCAGAAGATGCAGCTCAAT TCCAGAAGACACAGAGACCTTAGCACCAGGCCACATGAATGCCTTGAGA ATTATGGTGTCTTCTCTTGTCTATACCATGCATTTCTGTCTCTTCTT ATATCATGGATTGCTCAAAAGCATCAGAGTGAAGTGGCTGATATTATGGT ATGATAACTGAAGTCACTGATCTTTCAGTCCATTGATGATCTCTGATTCTA GGAAATTTCAAATTAAGCAGACTTCTCTTGTATGCTGAGGCATTGTGAGA TGTAGGCTGAAAGGAGAGAATATCACAATTGCATATAGCAACCAATAACT AGCTTTTGTGTATTCTGTGTTGCAAACAATCTATGAGGTAGTTGTTCAAG GAATCCTTCTTGACTTATGTATCATGGAAGTCATATGGGGGAGTCTGAA AGAGCTGTCTTCTGTAAGCAAGGTTTGTATACACTAGTGGGGCTGGGACAC CAACCAAGCACAAACCTAGCTATAACCTATCCTGGCTGCAGGATATGCT GGAACAATGGTGGCTTGGAAATTGTGGGACTGGCAAAGCAATAGCTAGTCT AACTTGAGGCCCATTCCACAGCAGGAAGCTCATGCCACCTCTGCCTGGAT GGCCAGGAAGCAAAATCTTGATGGCCCCAGACCTATGGTAAACTGAACAC TACTGGAAAAAGAAAGACTCGTGTTAATGATCTATCAAAATTTTCTAATG ATATTCTGATAACTCATATATTAGTCCCTGTCTCTAATCATCATCACTGGG ACTCCTTCCCAGCACCTGATGGGAGCAGATAGAGATCTACATCCAATAGT AAGTGTATCTTGGGGAACCTCACTTAAGAAATAGAAGGAACAATTATGAGAG CCAGAGTGATCCAGAACACTAGGATCACAGAATCAACTAAGCAGCATGCAT AGGGGTTAATGGAGACTGAAGTGGCAATCACAGAGCTGCATAGGCTACACA CTAAGTCTCTGTGTATATCTGTGGCTGTTTAGCTTAGGAATTTTGTGG ACTCTAACAAATGGATAAGGAATTC</p>
<p>>mGR03 aa MVLTRAILWVTLITIISLEFIIGI LGNVFIALVNIIDWVKRGKISAVDK TYMALAISRTAFLLSLITGFLVSL DPALLGMRTMVRLTISWMVTNHFS VWFATCLSIFYFLKIANFNSIFLV LKWEAKKVS VTLVSVIILIMNII VINKFTDRLQVNTLQNCSTSNLTKD</p>	<p>>mGR03 nt CTTTAATAGCAGGGGTGTGAATATTTAAATTTTCTTTCTGCAGCAACTACTG AGGGCTTCAGACTGCTGTATACAGGGCATGAAGCATCTGGATGAAGTTTCAG CTGTGCTGCCTTTGACAACAATTTTTTGTGTATGTGTGGAGAACATAAACC ATTTCAATAGTGAAATTTGGCTTTTGGGTGACATTGTCTATGATAGTTCTG AAAGTGATTATGTTAAGAATCAGACACAGCCGCTCAGAAGATTGATTAAC ACATCTTTGGTAGTTCAGAAGAAATAGATCATCATGGTGTGGATGATAAG GGCTATTTTATGGGTAACTATTGATAACTATTATAAGCTCTGGAGTTTATCAT AGGAATTTTAGGAATGTATTTCATAGCTCTCGTGAACATCATAGACTGGGT</p>

<p>YGLFLFISTGFTLTPFAVSLTMFL LIFSLWRHLKNMCHSATGSRDVSTV AHIKGLQTVVTFLLLYTAFVMSLLS ESLNINIQHTNLLSHFLRSIGVAF TGHSCVLILGNSKLRQASLSVILWL RYKYKHIEINWGP</p>	<p>TAAAGAGAGAAAGATCTCTGCAGTGGATAAGACCTATATGGCCCTGGCCAT CTCCAGGACTGCTTTTTTATTGTCTACTAATCACAGGGTCTTTGGTATCATT ATTGAGCCAGCTTTATTGGGAATGAGAACGATGGTAAGGCTCCTTACTAT TTCTCGGATGGTGACCAATCATTTCAGTGTCTGGTTGCAACATGCCTCAG TATCTTTTATTATCTCAAGATAGCTAATTTCTCAAATCTATTTTCTCTGT TCTCAAATGGGAAGCTAAAAAAGTGGTATCAGTGACATTGGTGGTATCTGT GATAATCTTGATCATGAACATTATAGTCATAAACAAATTCAGTGACAGACT TCAAGTAAACACACTCCAGAAGCTGTAGTACAAGTAACACTTTAAAAGATTA TGGGCTCTTTTTATTTCATTAGCACTGGGTTTACACTCACCCCATTCGCTGT GTCTTTGACAATGTTTCTCTGCTCATCTTCTCCCTGTGGAGACATCTGAA GAATATGTGTACAGTGCCACAGGCTCCAGAGATGTGAGCACAGTGGCCCA CATAAAAGGCTTGCAAAGCTGTGGTAACCTTCTCTGTTACTATATACTGCTTT TGTTATGTCACTTCTTTTCAGAGTCTTTGAATATTAACATTCAACATACAAA TCTTCTTTCTCATTTTTTACGGAGTATAGGAGTAGCTTTTCCCACAGGCCA CTCCTGTGTACTGATTCTTTGGAACAGTAAGCTGAGGCAAGCCTCTCTTTTC TGTGATATTGTGGCTGAGGTATAAGTACAAACATATAGAGAATTGGGGCCC CTAAATCATATCAGGGATCCTTTTTCCACATTCTAGAAAAAATCAGTTAAT AAGAACAGGAATTTAGGAAGGAATCTGAAATTATGAATCTCATAGGCCATG AACCTTCAGACAAAGGATTCATTAGAGATAGAGAGAGAACATTGTTATC TGTAACTCGACAGGCAACACTGTAGATTATGAAAATAAATGTGAGTCTGTA ATGGAAAGCAAACATGCTATATTTTATTAATTGGTTTTGGTTTAAAGTCG GGATA</p>
<p>>mGR04 aa MLSALLESILLSVATSEAMLGVLGNT FIVLVNYTDWVRNKKLSKINFILTG LAISRIFTIWIITLDAYTKVFLLT LMPSSLHECMYSIWIINHLVWFS TSLGIFYFLKIANFSDCVFLWKR ADKVFVFLIVFLIITWLASFPLAVK VIKDVKIYQSNTSWLIHLEKSELLI NYVFANMGPIISLFIVAI IACFLLTI SLWRHSRQMOSIGSGFRDLNTEAHM KAMKVLI AFILFILIYFLGILIELT CLFLTNNKLLFIFGFTLSAMYPCCH SFILILTSRELKQDTRALQRLKCC ET</p>	<p>>mGR04 nt CTGAGCAGGTAAATCACACCAGATCCAGCAGAAGCCTTCTTGAAATTGG CAGAGATGCTGAGTGCCTGGAAGCATCCTCCTTTCTGTTGCCACTAGTG AAGCCATGCTGGGAGTTTTAGGGAACACATTTATTGTACTTGTAAGTACA CAGACTGGGTGAGGAATAAGAACTCTCTAAGATTAACTTTATTCTCACTG GCTTAGCAATTTCCAGGATTTTTACCATATGGATAATACTTTAGATGCAT ATACAAAGGTTTTCTCTTGACTATGCTTATGCCGAGCAGTCTACATGAAT CATAGAGTTACATATGGGTAATTATTAACCATCTGAGCGTTTGGTTTAGCA CCAGCCTCGGCATCTTTTATTTTCTGAAGATAGCAAATTTTCCCACATACA TATTTCTCTGGATGAAGAGAAGAGCTGATAAAGTTTTTGTCTTTCTAATTG TATTTCTTAATTATAACGTGGCTAGCTTCTTTCCGCTAGCTGTGAAGGTCA TTAAAGATGTTAAATATATCAGAGCAACACATCCTGGCTGATCCACCTGG AGAAGAGTGAGTTACTTATAAACTATGTTTTTGCCAATATGGGGCCCATTT CCCTCTTTATTGTAGCCATAATTGCTTGTTTCTTGTTAACCATTTCCTTT GGAGACACAGCAGGCAGATGCAATCCATTGGATCAGGATTGAGATCTCA ACACAGAAGCTCACATGAAAGCCATGAAAGTTTTAATTGCATTATCATCTC TCTTTATCTTATATTTTTTGGGTATTCTCATAGAAACATTATGCTTGTTC TTACAAACAATAAACTTCTCTTTATTTTTGGCTTCACTTTGTGAGCCATGT ATCCCTGTTGCCATTCTTTATCCTAATTCATAACAAGCAGGAGCTGAAGC AAGACACTATGAGGGCACTGCAGAGATTAAATGCTGTGAGACTTGACAGA GAAATGAATGTTCTGGCAGATTGAGAGGAAATCCCTGGAGCCCTTTCCA TTCCCACTATGTTTCTCACACTGTCTTTAGTTGAATTGTTAAAGTTTTTGA AACCTTTGGCAACTGATTGACTGCAGCTACGCCAGTGTAAGATTTTCATAG TAAGAGCAAACATTGAAAATAAGACTTCTCAGTCTTATTTTCATTGAGTTTC TAAAGCATTGACACCATTCACCAAGAAAACCAAGGGGGAAGAGGAGGATT TTCAGACATGTGTGATGAATCTTGATATTAGGACATGGAATTGAGGAG~C CAGAGGGATGCTACCGTGTGTCTACAGCTTTGTTTGTAAATAGCTACTTT TCCTTTCCCAGTTAGTTAAAGTAGATGCTTGGAGTAGTGGTGAAGATCATG GCAGTAGATGGGATCTGTGGGAAGTGGTTGAGGAAGCAGGCTGTTTCTGAA CGAAGAGACCAGAGGACTGATTGAACTGGTCATTGTGTATATCAAAATAG TGATTTGAGATGAAGCCAAGTTGTAGAGCAAAGATATCTGAGGAAGAATTC</p>
<p>>mGR05 aa MLSAAEGILLSIATVEAGLGVLGNT FIALVNCMDWAKNNKLSMTGFLIG LATSRI FIVWLLT DAYAKLFYPSK YFSSSLIEIISYIWMVTNHLTVWFA TSLSIFYFLKIANFSDCVFLWKR TDKAFVFLGLCLTSWVISFSFVVK VMKDGKVNHRNRTSEMYWEKQFTI NYVFLNIGVISLMMTLTACFLIM</p>	<p>>mGR05 nt ATGCTGAGTGGCGCAGAAGGCATCCTCCTTTCCATTGCAACTGTTGAAGCT GGGCTGGGAGTTTTAGGGAACACATTTATTGCACTGGTAAACTGCATGGAC TGGGCCAAGAACAAATAAGCTTTCTATGACTGGCTTCTCTCATCGGCTTA GCAACTTCCAGGATTTTTATTGTGTGGCTATTAACTTTAGATGCATATGCA AAGCTATTCTATCCAAGTAAGTATTTTTCTAGTAGTCTGATTGAAATCATC TCTTATATATGGATGACTGTGAATCACCTGACTGTCTGGTTTGCCACCAGC CTAAGCATCTCTTATTTCTGAAGATAGCCAAATTTTCCGACTGTGATATT CTCTGGTTGAAGGAGGAAGCTGATAAGAGCTTTTGTCTTCTCTGGGGTGT TTCCTAACTTTCATGGGTAATCTCCTTCTCATTGTTGTGTAAGGTGATGAAG</p>

SLWRHSRQMQSGVSGFRDLNTEAHV KAIKFLISFIILFVLYFIGVSIIEII CIFIPENKLLFIFGFTTASIYPCCH SFILILSNSQLKQAFVKVLQGLKFF	GACGGTAAAGTGAATCATAGAAACAGGACCTCGGAGATGTACTGGGAGAAA AGGCAATTCACATTAACTACGTTTCTCAATATTGGAGTCATTCTCTC TTTATGATGACCTTAAGTCATGTTCTTGTAAATTATGTCATTGGGAGA CACAGCAGGCAGATGCAGTCTGGTGTTCAGGATTCAGAGACCTCAACACA GAAGCTCATGTGAAAGCCATAAAATTTTAAATTTCAATTATCATCCTTTTC GTCTTGTATTTTATAGGTGTTTCAATAGAAATTATCTGCATATTTATACCA GAAAACAACTGCTATTTATTTTGGTTTTCACAACTGCATCCATATATCCT TGCTGTCACTCATTTATTCTAATTCTATCTAACAGCCAGCTAAAGCAAGCC TTTGTAAGGTACTGCAAGGATTAAAGTTCTTTTAG
>mGR06 aa MLTVAEGILLCFVTSGLVGLGNG FILHANYINCVRKKFSTAGFILTGL AICRIFVICIIISDGYLKLFSPHMV ASDAHIIVISYIWVIINHTSIWFAT SLNLFYLLKIANFNSHYIFFCLKRRI NTVFIFLLGCLFISWSIAFPQTVKI FNVKKQHRNVSWQVLYKNEFIVSH ILLNLGVIFFFMVAIITCFLLIISL WKHNRKMQLYASRFKSLNTEVHVKV MKVLISFIILLILHFIGILIELTSLF LKYENKLLILGLIISCMYPCCHSF ILILANSQLKQASLKALKQLKCHKK DKDVRVTW	>mGR06 nt TATAGTTGCAGCAGAAGCAACGTTAGGGATCTGTAGAGATGCTGACTGTA GCAGAAGGAATCCTCCTTTGTTTTGTAAGTAGTGGTTCAGTCCTGGGAGT TCTAGGAAATGGATTTATCCTGCATGCAAACTACATTAACTGTGTGAGAA AGAAGTTCTCCACAGCTGGCTTTATTCTCACAGGCTTGGCTATTTGCAGA ATCTTTGTGCATATGTATAAATCTCTGATGGATATTTAAAATTGTTTTTC TCCACATATGGTTGCCTCTGATGCCCCACATTATAGTGATTTCTTACATAT GGGTAATTATCAATCATACAAGTATATGGTTTGGCCACCAGCCTCAACCTC TTCTATCTCCTGAAGATAGCAAATTTTCTCACTACATCTTCTTGCTT GAAGAGAAGAATCAATACAGTATTTATCTTCTCCTGGGATGCTTATTTA TATCATGGTCAATTGCTTTCCACAAACAGTGAAGATATTTAATGTTAAA AAGCAGCACAGAAATGTTTCTGGCAGGTTTACCTCTATAAGAATGAGTT CATGTAAGCCACATCTTCTCAACCTGGGAGTTATATTCTTCTTTATGG TGCTATCATCATGCTTCTTCTTCTTAAATTTATTTTCACTTTGGAAACATAAC AGAAAGATGCAGTTGTATGCCTCAAGATTCAAAGCCTTAACACAGAAGT ACATGTGAAAGTCATGAAAGTTTTAATTTCTTTTATTATCTGTGTAATCT TGCAATTCATAGGGATTTTGATAGAAACATTGAGCTTTTTAAAATATGAA AATAAAGTCTACTTATTTTGGGTTTGATAATTTTCATGCATGATCTCTTG CTGTCAATTCATTATCTTAATTTCTAGCAAACAGTCAGCTGAAGCAGGCTT CTTTGAAGGCACTGAAGCAATTAATGCCATAAGAAAGACAAGGACGTC AgAGTGACATGGTAGACTTATGGAGAAATGAATGGTCACAAGAAATAGCC TGGTGTGGAGATGTTGATATCTCTAAAGACCGTTTCACTTCCAAATTCCT GCAATATTTAAAAAAGTCTTGCTGATATCATGGAAATCATGGGAAA TGTGCAATTTGTTTGGGGACAGGTTGACAGTGAAGGTATGGTTAAG CAGCGAAACACTCATACAGCTCGTTCGTTCTTTTGTATTTTATTTTGTG TTGGTGGCCTTCCAAGACATGATTTCTCTATGTAAGTTTGG
>mGR07 aa MLNSAEGILLCVVTSEAVLGLVLDGT YIALFNCMDYAKNKKLSKIGFILIG LAISRIGVWIIILQGYIQVFFPHM LTSGNITEYITYIWVFLNHLVWFV TNLNILYFLKIANFNSVFLWLKRR VNAVFIIFLSGCLLTSWLLCFPQMTK ILQNSKMHQRNTSWVHQRKNYFLIN QSVTNLGIFFFFIIVSLITCELLIVE LWRHVRQMHSDVSGFRDHS TKVHV AMKFLISFMVFFILHFGVLSIEVLC FILPQNKLFLITGLTATCLYPCGHS IIVILGNKQLKQASLKALQQLKCCE TKGNFRVK	>mGR07 nt TTCATAATGAAGAGGAGGCAGGGCAATGTTGGTTCTGTTGTCTGACCAGT GTATTGTGACAGTGATCTACACATTTGATTGCTAAATGCAATAGTTCCAA AGGAACAAGTAAATTTTATGAAATAGAAGCTTCTATTGCTTATTAACAAA CTGCAGCAAAACATTAGTCTGCACACATTTATAGACAAGCTAAATCTTCA AAAGCAATAAAAAAGAGCACCCATAAAGTTCTGACTCTATCACATGACAAT AGGCTTGAAGAGATTGTCTATGTAGATAAAGAGATGGCATAACTTCTCCA TCAAGAAGCCAGATATATGGGACATTCTCCAGCAGATAATTTACAATAGATG CAGCAGAAGTAACCTTAGAGATCTGTAAAGATGCTGAATTCAGCAGAAGGC ATCCTCCTTTGTGTTGTCACTAGTGAGGCTGTGCTCGGAGTTTATAGGGGAC ACATATATTGCATTTTAACTGCATGGACTATGCTAAGAACAAGAAGCTC TCTAAGATCGGTTTCAATTCATTGGCTTGGCGATTTCAGAATTTGGTGTT GTATGGATAATAATTTTACAAGGGTATATACAAGTATTTTTTCCACACATG CTTACCTCTGGAACATAACTGAATATATTACTTACATATGGGTATTTCTC AATCACTTAAGTGTCTGGTTTGTCCACCAACCTCAACATCCTCTACTTTCTA AAGATAGCTAATTTTCCAACCTCTGTATTTCTCTGGCTGAAAAGGAGAGTC AATGCAGTTTTTATCTTTCTGTCAAGATGCTTACTTACCTCATGGTTACTA TGTTTTCCACAAATGACAAAGATACTTCAAAATAGTAAATGCACCAGAGA AACACATCTTGGGTCCACCAGCGGAAAAATTACTTTCTTATTAACCAAAGT GTGACCAATCTGGGAATCTTTTCTTCATTATTGTATCCCTGATTACCTGC TTTCTGTTGATTGTTTTCTCTGGAGACATGTCAGACAAATGCACCTCAGAT GTTTCAGGATTGAGAGACCAGCACAAGGTACATGTGAAAGCTATGAAA TTTCTAATATCTTTTATGGTCTTCTTTATTCTGCATTTTGTAGGCCCTTTC ATAGAAGTGTATGCTTTTATCTGCCACAAAATAAAGTCTCTTTTATAACT GGTTTGACAGCCACATGCCTCTATCCCTGCGGTCACTCAATCATCGTAATT TTAGGAATAAGCAGTTAAAGCAAGCCTCTTTGAAGGCATGCGCAACTA AAATGCTGTGAGACAAAAGGAAATTTAGAGTCAAATAAATGGGTTTGCAA ATAAATAGCTGCCTTGTTCTTCACTGGTTTTTACCCTGTTAGTTGATGTT

	<p>ATGAAAAGTTCCTGCTATGGTTGATGACATCTCAAGGAATCTATTTTCTG GTGGCATGTTAAGTCCACGTGAAGCCTCACTTCATAGCTGTGACTGACTAT GCAAATTCCTTCCACAAAATAACAGATAACATTCAGCCTGGAGATAAATT CATTTAAAGGCTTTTATGGTGAGGATAAACAAAAAATCATTTTTC TGTGATTCAGTGAACCTCCAGGATGAGTAAAGAAAAACAAGACAAATGGT TGTGATCAGCCTTTGTGTGCTAGACAGAGCTAGGGACCAGATGTTGATGC TTGTGTGGTTTTGAGTTCTTTAAGAAGTTATGCCTCTCTGCCATTCCG TATTCCTCAGGTGAGAATTC</p>
<p>>mGR08 aa MLWELYVVFVFAASVFLNFVGIIANL FIIVIIKWTWNSRRIASPDRIIFS LAITRFLTGLFLNLSVYIATNTGR SVYFSTFFLLCWKFLDANSLWLVTI LNSLYCVKITNFQHPVFLLLKRTIS MKTTSLLLACLLISALTLLYYMLS QISRFPEHIIGRNDTSFDLSDGILT LVASLVNLSLLQFMLNVTFASLLIH SLRRHIQKMQRNRTSFWNPQTEAHM GAMRLMICFLVLYIPYSIATLLYLP SYMRKNLRAQAICMIITAAYPPGHS VLLIITHHKLKAKAKKIFCFYK</p>	<p>>mGR08 nt AAGCTTGTTTGTAAATTAGGCATTCCTAAGAAAATAAGAACAGGAGTGAAGA AATAGTAATTTAATCCTTGAAAGATTTGCATCTCAGTAAAAGCAGCTGCCT CTTAGACCAGAAATGGTGTGGCCATGCTGGAAAATAAAAGGAGACCTCT TTCCAGGCTGCATCCTGTGTCTGCTTACTTATTTCAGTTTGGTTTTCATCGG CACCAAACGAGGAAAGATGCTCTGGGAAGTGTATGTTTGTGTTTGTCTGC CTCGGTTTTTTTAAATTTTGTAGGAATCATTGCAAATCTATTTATTATAGT GATAATTATTAAGACTTGGGTCAACAGTCGCAGAAATGCCTCTCCGGATAG GATCCTGTTGAGCTTGGCCATCACTAGATTCTGACTTTGGGGTGTCTTCT ACTGAACAGTGTCTACATTGCTACAAATACTGGAAGCTCAGTCTACTTTTC CACATTTTTTCTATTGTGTTGGAAGTTTCTGGATGCAAACAGTCTCTGGTT AGTGACCATTCGTAACAGCTTGTATTGTGTGAAGATTACTAATTTTCAACA CCAGTGTCTCTCTGTTGAAACGGACTATCTCTATGAAGACCACAGCCT GCTGTGGCCTGTCTCTGATTTCAGCCCTCACCCTCTCCTATATATAT GCTCTCACAGATATCACGTTTTTCTGAAACACATAAATGGGAGAAATGACAC GTCATTTGACCTCAGTGATGGTATCTTGACGTTAGTAGCCTCTTTGGTCCT GAACCTCACTTCTACAGTTTATGCTCAATGTGACTTTTGTCTCTTGTTAAT ACATTCCTTGAGAAGACATATACAGAAGATGCAGAGAAACAGGACCAGCTT TTGGAATCCCCAGACGGGCTCACATGGGTGCTATGAGGCTGATGATCTG TTTCTCTCGTGCTCTACATTCCATATTCAATTGCTACCCTGCTCTATCTTCC TTCTATATAGAGGAAGAATCTGAGAGCCAGGCCATTTCATGATTATTAC TGCTGCTTACCCTCCAGGACATTCTGCTCTCTCATTATCACACATCATAA ACTGAAAGCTAAAGCAAAGAAGATTTTCTGTTTCTACAAGTAGCAGAATTT CATTAGTAGTTAACAGCATCAATTCATGGTTTGGTTGCATTAGAAATGCTC CAGTGATCTAAGGACTTAATTTTGTGATCTTGTATCTGGCATCCTGACCCT GAGACTAAGTGCTTATATTTTGGTCAATACAGCATCTTTTGGCTAATATTT TAAAGTAAATCACATTCCATAAGAAATGTTTAAAGGGATTACGTATTTT CATGGCTATCACATTCCTAGACAATGGAATCACCATACTGTTTCGCTAGC TACTGAAGTACCAGGGGAAAGTCCATGAATGAAGGCCAATGTGATGTTT TTGGTTAGCACAGATTAGAGAATTTGGCCTCACTGAGCAAGATATC</p>
<p>>mGR09 aa MEHLLKRTFDITENILLIILFIELI IGLIGNGFTALVHCMDWVKRKKMSL VNKILTALATSRIFLWFMLVGFPI SSLYPYLVTTRLMIQFTSTLWTIAN HISVWFATCLSVFYFLKIANFNSNP FLYLKRRVEKVSVTLLVSLVLLFL NILLNLEINMCINEYHQINISYIF ISYYHLSQIQVLGSHIIFLSVPV LSLSTFLLIFSLWTLHKRMQQHVQ GGRDARTTAHFALQAVIAFLLLYS IFILSLLLQFWIHGLRKKPPFIAFC QVVDTAFFSFHSYVLILDRKLRHA SLSVLSWLKCRPNYVK</p>	<p>>mGR09 nt GAATTCAGAAATCATCAAAAAATCTTCAAAACTACATGTTTAAATAGCAC TTCAAATGAATACATTTGCAAATCTTTACAATAATACATAAAATGGAGCA CTTTTGAAGAGAACATTTGATATCACCGAGAACATCTCTAATATATTT ATTCTATTGAATAATAATTGGACTTATAGGAAACGGATTACAGCCTTGGT GCACCTGCATGGACTGGGTAAAGAGAAAAAATGTCATTAGTTAATAAAAT CCTCACCGCTTTGGCAACTTCTAGAATTTTCTGCTCTGGTTCATGCTAGT AGGTTTTCCAATTAGCTCACTGTACCCATATTTAGTTACTACTAGACTGAT GATACAGTTCAGTAGTACTCTATGGACTATAGCTAACCATATTAGTGCTG GTTTGCTACATGCCTCAGTGCTTTTTATTTTCTCAAGATAGCCAATTTTTC TAATTCCTCTTTTCTCTATCTAAAGAGGAGAGTTGAAAAAGTAGTTTCAGT TACATTACTGGTGTCTCTGGTCTTGTTTTTAAATATTTTACTACTTAA TTTGGAATTAACATGTGTATAAATGAATATCATCAAATAAACATATCATA CATCTTCATTTCTTATTACCATTTAAGTTGTCAAATTCAGGTGTTAGGAAG TCACATTATTTTCTGTCTGTCCCGTTGTTTGTCCCTGTCAACTTTTCT CCTGCTCATCTTCTCCCTGTGGACACTTCACAAGAGGATGCAGCAGCATGT TCAGGGAGGCAGAGATGCCAGAACCACGGCCCACTTCAAAGCCTTGCAAGC AGTGATTGCCCTTCTCTACTATCTCATTCTTATCCTGTCACTGTTACT ACAATTTTGGATCCATGGATTAAAGGAAGAAACCTCCTTTTATTGCATTTTG TCAGGTTGTAGATACAGCTTTTCTTCACTTCATTATCATATGTCTTGATTCT GAGAGACAGGAAGCTGAGACACGCTCTCTCTGTGTTGTGCTGCTGAA ATGCAGGCCAAATTATGTGAAATAATATTTCTTTGTATTTTCAAT TTTAAATATCTTGAATTTGACTGCATGATTTTCATCTTTTATTGAAA CAACCACTAATTAAAGCTATTACTAATTTAGCAAGTCGTATACAAGTTAT TTTTTAATACACATATCAAAACTGACATGTTTATGTTCTACAAAACCTG</p>

	AATATATCAAATTATATAAAATTTGTATCAACGATTAACAATGGAGTTTT TTTATTTATGACCTGTACGGGACTCCGGTGGAGTCAGCTTGTGAGATGAA AGTCTGAAAGCTT
>mGR10 aa MFSQIISTSDIFTFTIILFVELVIG ILNGFIALVNIMDWTKRRISSAD QILTALAITRFLYVWFMIICILLFM LCPHLLTRSEIVTSIGIIWIVNNHF SVWLATCLGVFYFLKIANFNSLFL YLKWRVKVVLMIQVSMIFLILNL LSLSMYDQFSIDVYEGNTSYNLGDS TPFPTISLFINSSKVFVITNSSHF LPINSLFMLIPFTVSLVAFMLIFS LWKHHKMQVNAKPPRDASTMAHIK ALQTGFSFLLLYAVYLLFIVIGMLS LRLIGGKLILLFDHISGIGFPIHS FVLILGNKLRQASLSVLHCLRCRS KDMDTMGP	>mGR10 nt GAATTCAACATCTTATTCAACTTCAGAAAACCTGGATATTAGACACAGTGTC TGGATGAAGCAGAGGTGATCTCTTTGGGAAAAAAGCCAAGTAGTCATAAA GAATTTATGAAACAATTCCTGGGATTGTTTATATTGTTACAAAACAATTT ATATGTTTGTAGTCAGTAATGTATAAGTGGGATTTTAAAGCATGATTATC TTGAATTTTAAACAAAAACATGTAGTGCTTTTAAATGTAGCAGAAACAT TAAAAATGAAGCATGTTCTCACAGATAATAAGCACCAGTGATATTTTAC TTTTACAATAATATTATTGTGGAATTAGTAATAGGAATTTTAGGAAATGG ATTCATAGCACTAGTGAATATCATGGACTGGACCAAGAGAAGAAGCATTTC ATCAGCGGATCAGATTCTCACTGCTTTGGCCATTACCAGATTTCTCTATGT GTGGTTTATGATCATTGTGTATATTGTTATTCATGCTGTGCCACATTGTCT TACAAGATCAGAAATAGTAACATCAATTGGTATATTGATAGTGAATAA CCATTTTCAGCGTTTGGCTTGCCACATGCCTCGGTGTCTTTATTTCTGAA GATAGCCAATTTTCTAACTCTTTGTTTCTTACCTAAAGTGGAGATTAA AAAAGTAGTTTAAATGATAATACAGGTATCAATGATTTTCTGATTTTAA CCTGTTATCTCTAAGCATGTATGATCAGTTCTCAATTGATGTTTATGAAGG AAATACATCTTATAATTTAGGGGATTCAACCCCATTTCCACAATTTTCCTT ATTCATCAATTCATCAAAAGTTTTCGTAATCACCACATCATCCCATATTTT CTTACCCATCAACTCCCTGTTTCATGCTCATACCCTCACAGTGTCCCTGGT AGCCTTTCTCATGCTCATCTTCTCACTGTGGAAGCATCAGAAAAGATGCA GGTCAATGCCAAACACCTAGAGATGCCAGCACCATTGGCCACATTAAAGC CTTGCAACAGGGTCTCCTTCTGCTGTGTATGAGTATACCTTACTTTT TATTGTCATAGGAATGTTGAGCCTTAGGTTGATAGGAGGAAAAATTAATCT TTTATTTGACCACATTCTGGAATAGGTTTCTTATAAGCCACTCATTGTG GCTGATTCTGGGAAATAACAGCTGAGACAAGCCAGTCTTTTCAAGTTTGCA TTGTCTGAGGTGCCGATCCAAAGATATGGACACCATTGGGTCCATAAAAAAT TTCAGAGGTGATGGGAAACATTTTGTAGATCTTATAGGGGAAAAAGAAAT GTGGGGCTTCAAAGCTGGTAGGAGTAATATAGAGAAGGATAGGAG
>mGR11 aa (notional!) MEHPLRRTFDFSQSILLTILFIELI IGLIRNGLMVLVHCIDWVKRKFHL LIKSSPLWQTSRICLLWFMLIHLLI TLLYADLASTRTMMQFASNPWTISN HISIWLATCLGVFYFLKIANFNSNT FLYLKWRVQFLLLNILLVKFEINMW INEYHQINIPYSFISYYQXCQIQVL SLHIIFLSVPFILSLSTFLLLIIFSL WTLHQRMQQHVQGYRDASTMAHFKA LQAVIAFLLIHSIFILSLLLQLWKH ELRKKPPFVVFQVAYIAFPSSHSY VFILGDRKLRQACLSVLWRLKCRPN YVG	>mGR11 nt AATAATGTATGTGGAAGAGTTAAGTATAAATGTTGTATGAGAATGAACCTCA GAAATCATCAAAATCTTTAAACTGCATGTTAAAAATCACACTTCAAATG AATATATTTGTAATCTTTAGAACTAATAAATAAAATGGAGCATCCTTTGA GGAGAACATTTGATTCTCCCAGAGCATACTTCTAACCATTTTTATTCATTG AATTAATAATTTGGACTTATAAGAAATGGATTAAATGGTATTGGTGCACTGCA TAGATTGGGTTAAGAGAAAAAATTTTCAATTTGTTAATCAAATCCTCACCAC TTTGGCAAACCTCCAGAATTTGTCTGCTCTGGTTCATGCTAATACATCTCC TGATTACTTTTATTGTATGCAGATTAGCTAGTACTAGAACGATGATGCAAT TCGCTAGCAATCCATGGACTATATCTAACCATATCAGCATCTGGCTTGCTA CATGCCCTTGCTGCTTTTATTCTTCTCAAGATAGCCAATTTTCTAATCTA CTTTCTCTATCTAAATGGCGAGTTCAGTTCTCTTGTGTTAAATATTTTAC TGGTTAAATTTGAGATTAACATGTGGATAAATGAATATCATCAAATAAACA TACCATACAGCTTCAATTTCTTATTACCAAATTTGTCAAATACAGGTGTTAAG TCTTCACATTATTTCTGTCTGTCCCTTTATTTGTCCCTGTCAACTTT TCTCCTGCTCATCTTCTCCCTGTGGACACTTCCACAGAGGATGCAGCAGCA TGTTCAAGGATACAGAGATGCCAGCACAATGGCCACTTCAAAGCCTTGCA AGCAGTGATTGCCTTTCTCTTAATACACTCCATTTTTATCCTGTCACTGTT ACTACAACCTTTGGAACATGAATTAAGGAAGAAACCTCCTTTGTTGTATT TTGTCAGGTTGCATATATAGCTTTTCTTCACTCCATTATGCTCTTCAT TCTGGGAGACAGAAAGCTGAGACAGGCTTGCTCTCTGTGTTGTGGAGGCT GAAATGCAGGCCAAATTATGTGGGATAAAATCTCTTTGTGCTTTCATTTCC AATTCCTAAATATTCTTTGATTTTACTGCATAAATT
>mGR12 aa (partial) GAIVNVDFLIGNVNGFIVVANIMD LVKRRKLSSVDQLLTALAVSRITLL WYLYIMKRTFLVDPNIGAIMQSTR TNVIWIISNHFSIWLATTLISIFYFL KIANFNSNIFCYLRWRFEKVILMAL LVSLVLLFIDILVTNMYINIWTDEF	>mGR12 nt (truncated) TTTTCAAGCAGTGACTTTGGGAAGCAGAACGTCCTCTTAGAGACAGTGGGTG CTGCTATCCTAGTTAATGTGGAGCAATAGTTAATGTGGATTTCCTAATTGG AAATGTTGGGAATGGATTCAATGTTGTGGCAAACATAATGGACTTGGTCAA GAGAAGAAAGCTTTCTTCAAGTGGATCAGCTGCTCACTGCATGCGCGTCTC CAGAATCACTTTGCTGTGGTACCTGTACATAATGAAACGAACATTTTGTAG GGATCCAAACATTTGGTGAATATGCAATCAACAAGACTGACTAATGTTTAT CTGGATAATTTCTAACCATTTTAGTATATGGCTGGCCACCACCTCAGCAT CTTTTATTTCTCAAGATAGCAAATTTTCTAATCTATTTCTGTTTACCT

	GAGGTGGAGATTTGAAAAGGTGATTTTGATGGCATTGCTGGTGTCCCTGGT CCTCTTGTATAGATATTTTAGTAACAAACATGTACATTAATATTTGGAC TGATGAATTC
>mGR13 aa MVAVLQSTLPIIFSMEFIMGTLGNG FIFLIVCIDWVQRRKISLVDQIRTA LAISRIALIWLFIDWVSVHYPAL HETGKMLSTYLISWTVINHCNFWLT ANLSILYFLKIANFNSNIIFLYLKFR SKNVVLVTLLVSLFFLFLNTVIIKI FSDVCFDSVQRNVSQIFIMYNHEQI CKFLSFTNPMFTFIPFVMSTVMFSL LIFSLWRHLKNMQHTAKGCRDISTT VHIRALQTIIVSVVLYTIFFLSFFV KVVSFVSPERYLIFLVWALGNAVF SAHPFVMILVNRRRLASLSLIFWL WYRFKNIEV	>mGR13 nt AAGCTTGTTTTGTGTTTGGATGAATTCATTTATGTCTATCAATTTAAGATT TTCATATGAATCATTAAAGAAATCTTGATAGTTGTTGTGAGATATCACTTC TGCAATTTTTAAATGAAATTACACTCATATTTTGAAGGAACAATATGTTTT AAAGGAATATATTAACAAATCTTCAGCAGTTACCTCAGAAGTTTGGGTATT GTTTTACAGAAAATGGTGGCAGTTCTACAGAGCACACTTCCAATAATTTTC AGTATGGAATTCATAATGGGAACCTTAGGAAATGGATTCAATTTTCTGATA GTCTGCATAGACTGGGTCCAAAGAAGAAAATCTCTTTAGTGGATCAAATC CGCACTGCTCTGGCAATTAGCAGAATCGCTCTAATTTGGTTGATATTCCTA GATTGGTGGGTGCTGTTTCATTACCCAGCATTACATGAAACTGGTAAGATG TTATCAACATATTTGATTTCCCTGGACGGTGATCAATCATTGTAACTTTGG CTTACTGCAAACCTTGAGCATCCTTTATTTTCTCAAGATAGCCAACCTTTCT AACATATTTTCTTTATCTAAAGTTTAGATCTAAAATGTGGTATTAGTG ACCTGTGTAGTGCTCTATTTTTCTTGTCTTAAATACTGTAATTATAAAA ATATTTTCTGATGTGTGTTTTGATAGTGTTCAAAGAAATGTGTCTCAAATT TTCATAATGTATACCATGAACAAATTTGTAAATTTCTTCTCTTACTAAC CCTATGTTACATTCATACCTTTTGTATGTCCACGGTAATGTTTTCTTG CTCATCTTCTCCTGTGGAGACATCTGAAGAATATGCAGCACACCCGCCAAA GGATGCAGAGACATCAGCACCACAGTGCACATCAGAGCCCTGCAAACCATC ATTGTGTCTGTAGTGCTATACACTATTTTTTTCTATCAATTTTTGTTAAA GTTTGGAGTTTTGTGTCCAGAGAGATACCTGATCTTTTTGTTTGTCTGG GCTCTGGGAAATGCTGTTTTTCTGCTCACCATTGTCATGATTTTGGTA AACAGAAGATTGAGATTGGCTTCTCTCTCTGATTTTTGGCTCTGGTAC AGGTTTAAAAATATAGAAGTATAGGGTCCAAAGACCACCAAGGAATCATTT TCCTTATCCTAAAGAAAATCAGGAG
>mGR14 aa MLSTMEGVLLSVSTSEAVLGIVGNT FIALVNCMDYNRNKKLSNIGFILT LAISRICLVLILITEAYIKIFYPQL LSPVNIIEILISYLWIIICQLNVWFA TSLSIFYFLKIANFNSHYIFVWLKRR IDLVFFFLIGCLLISWLFSPVVA MVKDNKMLYINTSWQIHMKKSELII NYVFTNGGVFLFFMIMLIVCFLII SLWRHRRQMESNKLGRDLNTEVHV RTIKVLLSFILFILHFMGITINVI CLLIPESNLLFMFGLTTAFIYPGCH SLILILANSRLKQCSVMILQLLKCC ENGKELRDT	>mGR14 nt CTGCAGGTATATACCTACCTGAAGGCTTCATCTAGAGTAAACAAAGTAGT CTGTATAGCTGCCATTCTCAGATTCTCCTCAACTCCACCCTCCAGTG ACCTTTCTCCTTTTCTACAGTCAAACATAGGACCTCACACCTGACACTTC TTCAGATGCAAAATATTCTCACAGAGACAAGTAAACATACAAAACAAATA CTTTAATTTGCCTATTAAACAAATGGCAAGAAAAGATTGAGGCTGAACATC CTGTAGACAAGCTAAGGACAGGAGCAACTGAAGGGATCTCCATGAAGACCT TTCAGATTTCTACCAAAAGTAATTTTTAACTATATTTAAGTCTTTAAAGAA AGAAAGTAAAGCCACTCTTTTATTGAACAGCAATAGATTGGAATCTTAAAC AACTGCAACAGAAGCCATTTTAAAGATCAACAAAGATGCTGAGCACAATGG AAGGTGTCCTCTTTTCACTTTCAACTAGTGAGGCTGTGCTGGGCATTGTAG GGAACACATTCACTGCACTGTAACTGTATGGACTATAACAGGAACAAGA AGCTCTCTAATATTGGCTTTATTCTCACTGGCTGGCAATTTCCAGAATTT GCCTTGTGTTGATCTTAATCACAGAGGCATACATAAAAATATTCTATCCAC AGTTGCTGTCTCCTGTCAACATAATTGAGCTCATCAGTTATCTATGGATAA TTATCTGTCAATTGAATGTCTGGTTTGGCACTAGTCTCAGTATTTTTATT TCCTGAAGATAGCAAATTTTCCCACTACATATTTGTCTGGTTAAAAGAA GAATTGATTTAGTTTTTTTTCTTCTGATAGGGTGCTTGCTTATCTCATGGC TATTTTCTTTCCAGTTGTTGCGAAGATGGTTAAAGATAATAAAATGCTGT ATATAAACACATCTTGGCAGATCCACATGAAGAAAAGTGAGTTAATCATT ACTATGTTTTCCCAATGGGGGAGTATTTTTATTTTATGATAATGTAA TTGTATGTTTCTGTTAATCACTTTGAGACATCGCAGGCAGATGG AATCAAAATAATTAGGATTCAGAGATCTCAACACAGAAGTTCATGTGAGAA CAATAAAAGTTTTATTGCTTTTATTATCCTTTTATATTGCATTTCATGG GTATTACCATAAATGTAATTTGTCTGTTAATCCAGAAAGCAACTTGTTAT TCATGTTTGGTTTGACAACGCACTCATCTATCCCGCTGCCACTCACTTA TCCTAATCTAGCAAAACAGTCGGCTGAAGCAGTCTCTGTAATGATACTGC AATAATTAAAGTGCTGTGAGAATGGTAAAGAACTCAGAGACACATGACAGT CTGGAACACATGCAATCTGGAATGTGAGTGGAAAAGTTACTGAAGATCT TTTCACTGCACTATGCTCTTTTATTGATTTGGCATCATTATCAAACACTG TTGGAGCCTTGGAACCTTGTTTCAGAGTCTTCTGCCTCTCAAGGAATCAC ACTCC
>mGR15 aa MCAVLRSLTIIFFILEFFIGNLGNG	>mGR15 nt AATAATAGATTTTTTAATATTCAGAATTTTTAAGTAATGTAGTATTGTTAG

<p>FIALVQCMDLRKRRTFPSADHFLTA LAISRLALIWVFLDSDLFIQSPLL MTRNTLRLIQTAWNISNHFSIW FATSLSIFYLFKIAIFSNYLFY LKRRV KRVVLVILLLSMILLFFNIFLE IKH IDVWIYGTNRNITNGLSSNSF SEFS RLILIPSLMFTLVFPFVSLIA FLLL HTTALQTVVAFLLLYTTFFLS LVVE VSTLEMDESLMLLFAKVTIMIF PSI HSCIFILKHNKLRQDLLSVLK WLQY WCKREKTLDS</p>	<p>CAGCATAGCTTATAGGAAAAGT TCCAAGTAATTTTGATTTTGTA ATTCTGA TTCCCCCAAATCAAGTATCAAG TTTACCTGCACAGACAAGGGA AAGAGTGG CAAAATGTGCAATGAGAGCAAC TTTATTTGACTGTCAGTACGTT GAAATTCAGTGTTCCTTAATCAG TTTATGGATTGACATTTATGTC GCAGAACCTGG AAGAATTTCAGCCAAGCTGGAG GTAAAAATCCAAATTCGTATGA TAAAAAC CAAAAGTAAATCACAGGTAAAT CTTCTTTATTTTCTTTTTTAAT ACTGTA TATGGACATTTTTTAATACAGC ATTTTTTTTTTGAAATTTAGAAA AAAAA CCACTAAGAAATATTCACCAAT GGAATAGACTTTAAAGTCACTT AGAGAAT GTGTGCTGTCTCAGTGTACTGT ACAATCATTTTCATTTTGGAGT CTTT CATTTGGAAATCTGGGGAATGG ATTTCATAGCTCTGGTACAATGC ATGGACTT ACGAAAGAGAAGAACGTTCCCT TTCAGCAGATCATTTTCTCCTCA CTGCTCTGGC CATCTCCAGGCTTCTCTGATAT GGGTTTTATTTCTAGATTCA TTTCTGTT TATACAATCCCCATTACTGATG ACTAGAAATACATTAAAGACT GATTCAGAC TGCTTGGAAATATAAGCAATCAT TTTCAGTATAGTTTGTCTACCG CCTCAG CATCTTTTATCTCTTCAAGATAG CCATTTTTTCTAACTATCTTTT CTTCTA CCTGAAGCGGAGAGTTAAAAGG GTGGTTTTGGTGATACTGCTGC TATCCAT GATCCTTTTGTTTTTTAATATAT TTTTTAGAAATCAAACATATTG ATGTCTGT GATCTATGGAACCAAAAGAAACA TAACTAATGGTTTGAGTTCAAAC AGTTTT TTTCAGAGTTTTTCCAGGCTTAT TTTTTAATTCAGTTTATGTTCT ACATTAGT ACCCTTTGGTGTATCCTTGATAG CTTTTCTCCTCCTAATCTTTT CCCTTAT GAAACATGTAAGGAAGATGCAGT ACTACACCAAAGGATGCAAAGAT GTCAG AACCATGGCCACACCACAGCCCT GCAGACTGTGGTTGCCTTCTCCT TATT ATATACTACTTTCTTCTGTCTCT AGTTGTGGAAGTTTCAACACTTG AAAT GGATGAAAGCTGTAGCTTCTGTT TGCAAAGTTACTATAAGTATTT TCC TTCCATCCACTCCTGTATTTTCA TTTTTGAAACATAATAAGTTGAG ACAGGA CTTGCTTTTCAGTACTGAAGTGG CTACAGTATTGGTGCAAGCGTG AGAAAAC CTTGGATTTCATAGACCATTGTAT GCATCACCTTGAATATTCTAGAG GGGTG TAGGTTTCATATGAAAGTATTGA ATTTTTTAAATTTGAGCCTTTT GTATATTTCTT</p>
<p>>mGR16 aa MNGVLQVTFIVILSVEFIIGIFG NG FIAVNVNIKDLVKGRKISSVDQIL TALAISRIALLWLILVSWWIFVLY PGQ WMTDRRVSIMHSIWTFNQSSLWFA TSLSIFYFFKIANFNSNPIFLYLK VR LKKVMIGTILMSLILFCLNIIIMNA PENILITEYNVMSYSYLILNNTQLS MLFPFANTMFGFIPFAVSLVTFVLL VFSLWKHQKMQHSAHGCRDASTKA HIRALQTLIASLLLSIFFLSHVMK VWSALLLERTLLLLITQVARTAFPS VHSWVLILGNAMRKASLYVFLWLR CRHKE</p>	<p>>mGR16 nt TTTATGATGGAAAGAATAAAACCA TTAGCAAGGCTTAATGGCTTGTTT GGT ATTAGACCTGTACATTGTTTATGG AACATGATATGGAGCTTTGTTTATT TGA ATATGCACAATATTTTGAAGCATGT TTCAAAGATCTTAAAGTAATTACAA TAGAAATTGAAGCATCCAAGTGAAG ATGAAGTGTCTCTCAGGTTACATT TATAGTCATTTTGAGTGTGGAATTT ATAATTGGCATCTTTGGCAATGGATT CATAGCGGTGGTGAACATAAAGGACT TGGTCAAGGGAAGGAAGATCTCTTC AGTGGATCAGATCCTCACTGCTCTG GCCATCTCCAGAATGTCAGTGTGTG GTTAATATTAGTAAGTTGGTGGATA TTTGTGCTTTACCCAGGACATGGAT GACTATAGGAAGAGTTAGCATATA GTCAGTATGACAACTTCAACCA GAGTAGTCTCTGGTTTGCTACAAGT CTCAGCATCTTTATTTTTTCAAGAT AGCAAATTTTTTCAACCCCTATTTT TCTTTATTTTAAAGGTGAGACTTAA AAAA AGTCATGATAGGGACATTGATAATG TCTTTGATCTCTTTTGGTTTAAATAT TATCATTTATGAAGTACCTTGAGAAC ATTTTAACTCATGAATATAATGTATC TATGTCTTACAGCTTGATTTTGAATA ACACACAGCTTTCTATGCTGTTTCC ATTTGCCAACACCATGTTTGGGTTC ATACCTTTTGTGTGTCACTGGTCAC TTTTGTCTTCTTGTTTTCTCCCTGT GGAAACATCAGAGAAAGATGCAACA CAGTGCCCATGGATGCAGAGATGCC AGCACTAAGGCCACATCAGAGCCTT GCAGACATTGATTGCTCCTCCTCCT GTATTCTTATTTCTTCTCTCA TGTTATGAAGGTTTGGAGTGCTCTG CTTCTGGAGAGGACACTCCTGCTTTT GATCACACAGGTTGCAAGAACAGCTT TTCCGTGAGTGCACCTCTGGGTCTCT GATTTCTGGGCAATGCTAAGATGAGA AAGGCTTCTCTATGTATTCCTGTG GCTGAGGTGCAGGCACAAAGAATGAA ACCCTACAGTGTACAGACCTGGGGT ATATTATGTGGATGATCTTACATATC TTAGAGAAATGGATTAAGAA AATTCTCATATTTATAAATTTTTAGG TCTGAATTACATAAAAAATGTATATA A TATTTTCAAAGTACAAGATAGTAGTT TATAACTTACATGATAAATACTGTCT ATGCACTTCTAGTCTTTGTAGAAAT ATGTAAAAACATGTT</p>
<p>>mGR17 aa MKHFWKILSVISQSTLSVILIVEL VIGIIGNGMVLVHCMDWVKKKKMSL VNQILTALSISRIFQLCLLFISLVI NFSYTDLTSSRMIQVMYNAWILAN HFSIWIATCLTVLYFLKIANFNSNF</p>	<p>>mGR17 nt GAATTCGTGGTCTGGCACCCCTGAG CTGTGTGAGTAGACACATTATCATG GA AAGAGATTGAGAAATCTGTCACTGT CAAAACATGCATGTTTGTCTCTCTG TTA GTGTGTTGGGGAAAGTTAAGAAAA ATACATTTTATGAGAATCAACTCAG AG GTTGTGAGAAATGTGCGAAACAGC ATTTTAAAAATTTACATCTCAACTG GGA TATATGAGCAAGCTTTTATAACTG ATATATAAAATGAAGCACTTTTGA AGATATATTATCTGTTATCTCCCA GAGCACTTTTCAGTCATTTTAACTG GGA ATATTATCTGTTATCTCCCAAGC AGCACTTTTCAGTCATTTTAACTG GGA</p>

>mGR18 aa
MVPTQVTIFSIIIMYVLESLSVIIIVQS
CTTVAVLFRWMMHFQRLSPVETILI
SLGISHFCLQWTSMLYNFGTYSRPV
LLFWKYSVVVEFWMNILTFLWLSWLA
VLYCVKVSSFTHPIFLWLRMKILKL
VLWLILGALIASCLSIIPSVMKYHI
QMELVTLDNLPKNNLSILRLQQFEW
YFSNPLKMIGFGIPFFVFLASIIIL
TVSLVQHWVQMKHYSSNSSSLKAQF
TVLKSALTWFMTTFTSYFLTIVISFI
GTVFDDKSSFWFVCEAVIYGLVCIHF
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GAAACTGGTTCTCTGGTTGATACTGGGTGCTCTGATAGCTTCTTGTTTGT
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CGTGTTCTCGGCTTCTATCATCTTACTCAAGTCTCATTGGTCCAACACTG

	<p>GGTGCAGATGAAACACTACAGCAGCAGCAACTCCAGCCTGAAAGCTCAGTT CACTGTTCTGAAGTCTCTTGCTACCTTCTTCACCTTCTTCACATCCTATTT TCTGACTATAGTCATCTCCTTTATTGGCACTGTGTTTGATAAGAAATCTTG GTTCTGGGTCTGCGAAGCTGTCTATGGTTTAGTCTGTATTCACTTCAC TTCACTGATGATGAGCAACCCTGCATTGAAAAAGGCACCTGAAGCTGCAGTT CTGGAGCCCAGAGCCTTCTTGAGGCAGGAAACACAGTTAAGCCTCTAGGGT AAGGAGACTTTGCATTGGCAGAGTCCCTATAGTGAATGCAAACCTGAACA CAAACTTCATCCCTTTTCACATCCACAAATGGCTGCATCTATACATCATCA CCAGTCTTCCCTGTATTCTGACCCATTCTCTTCTGTCTATCCATAGTCC CCAGGTTGGTTTTGATTTTTCTCATGATCACACCAACTCTGCTTAGCTTTT GCCACCACTGTAATAGTAAACATGGGGTGTCTATATATTACAGTCAAAAT CATTCTCACATTGTTGATTGCCTCACAAATTCATATAAATCCCCCTTCCCTG TCAGGAATTTATTGTCTGCTCACTTAATGCTCACCATATATTAAAGCCATT AATTCCCCCTTCTACCTTGAGTTTAAAGAGGAAATGTCTTACCATTGCC CACAACCTATTCTGCTGCTTCTAGACTTTTATGCAAGTGATTATACACAC ACACACACACACACACACATACAAACAAC</p>
<p>>mGR19 aa MMEGHMLFFLLVVVVQFLTGVLANG LIVVVNAIDLIMWKKMAPLDLLFC LATSRIILQLCILFAQLGLSCLVRH TLFADNVTFVYIINELSLWFATWLG VFYCAKIATIPHLPLFLWLKMRISRL VPWLILASVVVYVTVTFIHSRETSE LPKQIFISFFSKNTTRVRPAHATLL SVFVFGTLPLFLIFTVAVLLLLSSL WNHSRQMRTMVGTTREPSRHALVSAM LSILSFLILYLSDHMAVLICTQGL HFGSRTFAFCLLVIGMYPSSLHSIVL ILGNPKLKRNAKTFIVHCKCCHCAR AWVTSRNPRLSDLPVATHHSANKT SCSEACIMPS</p>	<p>>mGR19 nt CTGCAGCCTAGAGAACTAATGCATAGGAACTTATATCCCACCTCCGTGA CGTCACTCTGACAGAAGTGAACCTTATATCCCACCTCCGTGACGTCACTCT GACAGAAGTGACTTGTTTTTGTATGATGCTCCAGGATGCCCTATTAGCATT GAGGACAATCATAATTAAGTAAGGCAAGGCATGAAGGTGGTCTCACTAGG TACCTGGAGGCTTCTGGTTGCATGATTACTTGTGATGACTCTGACACTTA AGAAGACCTGAAAAATGCAAAAGCTGTCTAAGGCACAGTTCGTTTCTATG GTATCTCTCCTTATTTGACTGACATTGAGTTGAGAAGGCAGCACTATAAA CAAATGGGCCCCACCTTCTCTTCCATTGTCTTTGGGTTGGCATCATCTCC AAAGGAACCTTGGTCTAGTTGAAAGAAGCCAGAAATCATACATGGCTGAGA CTGTGCATAACTCTATGTATCATTTTAAAGAAGTCATTGGTTCTTCTTATTT TAAATGATGGGAAGGTCATATGCTCTTCTTCTTCTGGTCTGGTAGTGCA GTTTTTAACTGGGGTCTTGGCAAATGGCCTCATTGTGGTTGTCAATGCCAT CGACTTGATCATGTGGAAGAAAATGGCCCCACTGGATCTGCTCTTTTTTG CCTGGCGACTTCTCGGATCATTCTTCAATTGTGTATATTGTTTGCACAGCT GGGTCTATCTGTTTGGTGAGACACAGTTATTTGCTGACAATGTTACCTT TGTCTACATTATAAACGAAGTCTGAGTCTCTGGTTTGGCACATGGCTTGGTGT TTTCTACTGTGCCAAGATTGCTACCATCCCTCACCACCTCTTTCTGTGGCT GAAGATGAGGATATCCAGGTTGGTGCCATGGCTGATCCTGGCATCTGTGGT CTATGTAAGTGTACTACTTTTCATCCATAGCAGAGAGAACTCAGAACTTCC TAAGCAAATCTTTATAAGCTTTTTTTCTAAAAATACAACTCGGGCTCAGACC AGCGCATGCCACACTACTCTCAGTCTTTGTCTTTGGGCTCACACTACCATT TCTCATCTTCACTGTTGCTGTCTGCTCTTGTGTCTCTCCCTGTGGAACCA CAGCCGGCAGATGAGGACTATGGTGGGAACTAGGGAACCTAGCAGACATGC CCTCGTCAGTGCGATGCTCTCCATTCTGTCTATTCTCTATCTATCTCTC CCATGACATGGTAGCTTCTGATCTGTACCCAAGGCTCCCTCCTTGGGAAG CAGAACCTTTGCATTCTGCTTATTGGTTATTGGTATGTACCCCTCCTTACA CTCGATTGTCTTAATTTTAGGAAACCCTAAGCTGAAACGAAATGCAAAAAC GTTCATTGTCCATTGTAAGTGTGTCTATTGTGCAAGAGCTTGGGTCAACCTC AAGGAACCCAGACTCAGCGACTTGCCAGTGCCTGCTACTCATCACTCAGC CAACAAGACATCCTGCTCAGAAGCCTGTATAATGCCATCTTAATTGTCCAA CCTGAGGCTTAATCATTTCAAAGGGTAAATTGATGATCAAAGCCCAACACA TGATATGACATCAAGGTCCATATCCCAGTAGTCATGTGGAAATACCACCTT GCAAAATGATGTCATTGAGAAACCAGGGCAATGGAGTCTAGGTCTTTTCAG TATGATTTGCTGCAG</p>
<p>>mGR20 aa MNLVEWIVTIIMMTEFLLGNCANVF ITIVNFIDCVKRRKISSADRIITAI AIFRIGLLWAMLTNWHSHVFTPD NLQMRVFGGITWAITNHFTTWLGTI LSMFYLFKIANFSNSLFLHLKRKLD NVLLVIFLGSSFLVAYLGMVNIKK IAWMSIHEGNVTTKSKLKHVTSITN MLLFSLINIVPFGISLNCVLLLIYS LSKHLKNMKFYGKGCQDQSTMVHIK ALQTVVSFLLLYATYSSCVIISGWS</p>	<p>>mGR20 nt CTAGATGGGCTGTTTCATATAATGACTGGAACCTCCCTACATGCTCCACGTC TTGAGTTCTAAATTTCACTAACAATTTTGTGCTGCCATAAATAATGAAG GTTTAAAGAAAGAACACATTGAAGCAATGGACCAGAATTCCTCTTTATT TGACTCTTAGCAAATTTGAATGCAGCATCCTTTCAAGAGCAGCACTGAAAT ATACAGTCAATGGCAGAGAGTAAAAAAGTATGCAATTGGAGACATTATGG TAATATAAATTTCCATTAAAAATGAGACTGCATTACCTATTACAACACAT TGCTATTCTGCTCAACACAGAGTTAAAAAGAAACAAGAACTCTTGATACA TTCAGTTAGTCACAAGTATAATTATGTTTACATATTTTAAAAAATGAATC ATGATCTGTGAATTGAGCCTGGCTTTTTTGTCTCTCTTTTTATTCTTT TCCTTTAGACAGACACAATGAATTTGGTAGAATGGATTGTTACCATCATAA TGATGACAGAATTTCTCTTAGGAACTGTGCCAATGTCTTCATAACCATAG</p>

<p>LQNPVFLFCVTTIGSFYPAGHSCIL IWGNQKLKQVFLLLLRQMR</p>	<p>TGAACCTTCATCGACTGTGTGAAGAGAAGAAAGATCTCCTCAGCTGATCGAA TTATAACTGCTATTGCCATCTTCAGAATTGGTTTGTGTGGGCAATGTTAA CGAACTGGCATTACATGTGTTTACTCCAGACACAGACAAATTTACAAATGA GAGTTTTTCGGTGGGAATTACCTGGGCTATAACCAACCATTTTACCCTTGGC TGGGGACCATACTGAGCATGTTTTATTTATTCAAGATAGCCAAATTTTTCCA ACAGTCTATTTCTTCATCTAAAAAGAAAACCTTGACAATGTTCTACTTGTGA TTTTCTGGGATCGTCTCTGTTTTTGGTTGCATATCTTGGGATGGTGAACA TCAAGAAGATTGCTTGGATGAGTATTTCATGAAGGAAATGTGACCACAAAGA GCAAACCTGAAGCATGTAACAAGCATCACAAATATGCTTCTCTTCAGCTGA TAAACATTGTACCATTGGGTATATCACTGAACCTGTGTTCTGCTTAACTCT ATTCCCTGAGTAAACATCTCAAGAATATGAAATCTATGGCAAAGGATGTC AAGATCAGAGCACCATTGGTCCACATAAAGGCCCTTGCAAACCTGTGGTCTCTT TCTCTTGTATATATGCCACATACTCTTCTGTGTCTATTATATCAGGTTGGA GTTTGCAAATGCACCACTCTTCTGTTTTGTGTGACAACTGGATCCTTCT ACCCAGCAGGTCAATTCTTGATCTTGATTTGGGGAAACCAGAACTTAAAC AGGTCTTTCTGTTGTGCTGAGGCAGATGAGATGCTGACTGAAAAATGAA AGTCCCCCTGTCTCTAG</p>
<p>>mGR21 aa MGSNVYGILTMVMIAEFVFGNMSG FIVLINCIDWVRKGTLLSIGWILLF LAISRMVLIWEMLITWIKYMKYSFS FVTGTELRGIMFTWVISNHFSLWLA TILSIFYLLKIASFSKPVFLYLKWR EKKVLLIVLLGNLIFLMLNILQINK HIEHWMYQYERNITWSSRVSDFAGF SNLVLLEMIVFSVTPFTVALVSFIL LIFSLWKHLQKMHLNSRGERDPSTK AHVNALRIMVSFLLLYATYFISFFL SLIPMAHKTRLGLMFSITVGLFYPS SHSFILILGHSNLRQASLWVMTYLK CGQKH</p>	<p>>mGR21 nt CTCTTTTGAAGACAATAGTTGTTCTACTAGCTATTGATAGCATGTTTACAT TTGTCAATTTTCAAGTATGTTTCAGAAACAAAGCTACATATTGTGGGGAGTAT ATAAAATATGAAAGCATGCCATTTCCAGGCATCCAAGGATCCCTGTGTATT AAAAGGCAACAAAGCAGAACCAATGTTCTGTTTTGGACATGAGCTTCTTC CAATTCAACTGCTGAAAAATTTGGATAACTACATATAAAACTAAGAACACA GAGTGTACAGAGCAGTCTCTGCTTCCAATTCACAGGATTAATATTGAC AGACCCAAAAGATGTCTTTAGGTAATTTTGGATGAATCATATTGTTGTC ACCTTTGTGCTCTAGAACATAAGCTGATAGAATCAAATTTCTTTAGCAGA GACAATGCAAATTGATATAACAGTGAAAGAGAATATATCTTTATTTGCATG TTAGCAAATGACAGCTGGATGCATTCATGATTTTCTGCAATCTAGTTGAG TCTTTAGAAGGAT ATATATATATATAAACCCTTAGTCTTGAAAGATATCAGAAAGAAGGATTTC CAAGAATGTACAGAGCCATTAGCAAAATTTTAATATACTCATCGACATTAG GTCAGTCACTACATAAGAAGGACTTGAATGAAAGCTTATCTAGTTTTTGA GACTACAGGGACATTTACCTTGCCAAATGAGAAGCAGTGAAGTCTTCTTG TCTGGCATGCGGAAGCAATGTGTATGGTATCTTAACATCTGGTTGATTGTC AGAGTTTGTATTTGGAAATATGAGCAATGGATTCTAGTGCTGATAAACTG CATTGATTGGGTGAGGAAAGGAACCTTTCTTCCATTGGTTGGATCCTGCT TTTCTTGGCCATTTCAAGAATGGTGTGATATGGGAAATGTTAATAACATG GATAAAATATATGAAGTATTCATTTTCAATTTGTGATGGAACAGAAATTACG GGGTATCATGTTTTACCCTGGGTAATTTTCCAATCACTTCAGTCTCTGGCTTGC CACTATTCTCAGCATCTTTTATTTGCTCAAAATAGCCAGTTTCTCCAACC GGTTTTTCTCTATTTGAAAGTGGAGAGAGAAGAAAGTGTCTCTGATTGCTCT TCTGGGAAATTTGATCTTCTTGATGCTCAACATATTACAAATAAACAAACA TATAGAACACTGGATGTATCAATATGAGAGAAATATAAATCTGGAGTTCTAG AGTGAGTGACTTTTGAGGGTTTTTCAATCTGGTCTTATTGGAGATGATTGT GTTCTCTGTAACACCATTACAGTGGCCCTGGTCTCCTTCATCCTGTTAAT CTTCTCCTTGTTGGAACATCTACAGAAAATGCATCTCAATTCTAGAGGGGA ACGAGACCCAGCACTAAAGCCCATGTGAATGCCTTGAGAATTATGGTCTC CTTCTCTTACTCTATGCCACTTACTTCATATCTTTTTTCTATCATCTGAT TCCCATGGCACATAAAACACGACTGGGTCTTATGTTTAGCATAACTGTTGG GCTTTTCTACCCCTCAAGCCACTCATTTATCTTAATTTTGGGACATTCTAA TTTAAGGCAAGCCAGTCTTTGGGTGATGACATATCTTAAATGTGGGCAAA GCATTAGAATTTCACTATTTCCATAAGGCAGCCAAACCAGTGTCTACAGGT ATATGATACTACTCAGTGGTAAAGCCCTAGGCAAAACATTAACCTTAGAAAA TATATAATTTTGTGACTCTTCTGTATTTGATAAATCACTCACATATTTAGA AGAATGCTACAGTAGTGTGATCTGTACATGATTGTAACAATTCAATTTTA TTAATATAGTTTCAGGCATGATAACATACCCCTGATAACTGAAAAGTAAGTA GGATGCTACATATATATTTAGATCTAGACTTAGGGGCAAGAGAGACCCAG CTGATAGCTGTGCAATAAAGATTTTAATTTTTCATCCTGTTGTGAGTTATCT GAAATCTATGTCACTGAAGGCATAAGCAAGATTTTACACACTGAAACAAT CTCTTATGCTTTCTTATATTGTTTTAAAGTAATTAGAAAATTTAAATAA ACTTAATGGCAATTGAAATTACAAAAGCTAAACACATGTGGTTATTAGAAA TTAGACTGTATGAGTCTAGGGGATGGCTTAGTAAGAGCTTTGTTGCA AGCTTCAGGATATGATTCTAAATCCCTAGATTCAATAAAAACCTGGCATA</p>

	<p>AATAGCCAATGTAATAATTTGTCTGTAATAATGTAACCAAGTCTAAGAGTACC AAGACAACAAAATGTTTACTTTTTAAAACCAATTTATTGATATTCTTTTAAAA ATAGGTATGTATTTTACTATTTTAAATAAGATTTTGTCAAAGCTAGTCTTG ACACCTTAGGTAAACATAGGAAGGCAACAAGTTTGAAGTCAGCTACTGGGG ACAGTGTCTAGCAGCTGACAGAGGCCACTGCTGACTACAGCAGATCATT TACAGGTTTCAGCACTAG</p>
<p>>mGR22 aa</p> <p>MSSLLEIFFVIISVVEFIIGTLGNG FIVLINSTSWFKNQKISVIDFILTW LAISRMCVLWTTIAGASLRKFYKTL SYSKNFKFCFDIIWTGSNYLCIAC TCISVFYLFKIANFNSIFFWIKQR IHAVLLAIVLGTLMYFILFLIFMKM IANNFIYKWTKLEQNTTFPVLDLTL GFLVYHSLYNGILIFFFIVSLTSFL LLIFSLWSHLRRMKLQGIHTKDIST EAHIKAMKTMMSFLLFFIIYYISNI MLIVASSILDNVVAQIFSYNLIFLY LSVHPFLLVLWNSKLKWTFFQHVLRK LVCHCGGYS</p>	<p>>mGR22 nt</p> <p>AAATGAATAATTTTCATGCAAAGGATACCATTAGAATATGATCACTATTTAA ATTTTAGCAAAATACATATTCAAATACCAGCACAAATGTTTCAAATTTAAAA ATAAACATTATAAAACCAGCAGAGAACAAATGATAGCCTTGATAATTTGT TGGTTTGTCTCAAGAAAAATGGGTGTATACTTTAACATTTAATTGGGAAC AGTTGAGAGCATAACATTTAGGGTTTTACAGAGGTATTCAATTGCCCATTTAA GATTTGGATTACACATCTACATCAATGTGGCTGTAATCCATTTTCCCATG ATGAAATAAGGTAGAGACTGCCATTATAACGACATGTGCGAGCTACTGGGAG ATTTTCTTTGGTGATCAATTCGGTTGATGCAATTCATAATAGGAACCTTTGGGA AATGGATTATTGTCTCTGATAAACAGTACTTCTTGGTTCAAGAATCAGAAA ATCTCTGTAATTGATTTCAATTCCTTACTTGGTTGGCCATCTCCAGAATGTGT GTTCTATGGACAACAATTTGCTGGTGCCTCTCTCAGGAAATCTACAAGCG TTAAGTTACTCTAAGAATTTCAAATTTGGTTTGGATTTCTGGACAGGA TCCAACCTATTTATGCTATAGCCTGTACAAGCTGCATCAGTGTCTTCTACTTG TTCAAGATTGCCAATTTTCTAATTCATTTTCTTCTGGATTAAACAGAGA ATTCATGCAGTACTTCTGGCTATTGTCTTAGGCACACTCATGTATTTTCATT TTATTTCTCATTTTTATGAAAATGATAGCTAATAATTTTATCTACAAATGG ACAAAATTGGAACAAAACACAACATTCCTGTTTATGATCTATTCGACAGGA TTCTTAGTCTACCATAGCCTCTACAATGGGATTCTCATTTTCTTTTTTATA GTGTCTCTGACCTCATTTCTTCTTTTAACTTCTCTTTTATGGAGCCACCTT AGGAGGATGAAACTACAGGCATACATACCAAAGACATAGCACAGAAGCA CACATAAAAGCTATGAAACTATGATGTCATTCCTTTTGTCTTCTCATATA TATTATATTAGCAACATTATGCTTATTGTGGCAAGCTCCATTTCTGACAAAT GTGGTTGCACAAATTTTCTCTTATAACCTAATATTTCTGTATTATCTGTT CATCCTTTTCTTCTGGTTTTATGGAACAGCAAATTGAAATGGACATTCCAG CATGTATTGAGAAAGCTGGTGTGTCATTGTGGAGGTTATTCTTGATTTCAG TAAATACACTCAATATAACTGATGGATTTCAGGTAAGAAAAATGGAACA AGGAATAAAGAGGAGAAATATATTCTTTTCAGATCATCTGCTGTCTGATT CTGTCTTAGCATGCTATTAAGAATTGTTGACTAAATCCAGTCATTTTAA CATGAGGAAAGGATGTTTCAATCCAACCTTAGAGAGGGTACAAAATAGTCCT AGGAGGCAG</p>
<p>>mGR23 aa</p> <p>MFSQKINYSHLFTFSITLYVEIVTG ILGHGFIALVNIMDWVKRRRISSVD QILTALALTRFIYVLSMLICILLFM LCPHLPRRSEMLSAMGIFWVNSHF SIWLTTCLGVFYFLKIANFNSFFL YLKWRVKKVILIIILASLIFLTLHI LSLGIYDQFSIAAYVGNMSYSLTDL TQFSSTFLFSNNSNVFLITNSSHV LPINSLFMLIPFTVSLVAFMLIFS LWKHHKMQVNAQPRDVTMAHIK ALQTVFSFLLLYAIYLLFLIIGILN LGLMEKIVILIFDHISGAVFPISHS FVLILGNSKLQASLSVLPCLRCQS KDMDTMGL</p>	<p>>mGR23 nt</p> <p>AATTTTCAGCAACCAATATGTAGACTGCTTAAATGCATCAGAAACATTATA AATTGAAGCATGTTTTTACAGAAAAATAACTACAGCCATTTGTTTACTTTT TCAATCACCTTGATGTGGAAATAGTAACGGGAATCTTAGGCATGGATTCT ATAGCATTAGTGAACATCATGGACTGGGTCAAAGAAGAAGGATCTCTTCA GTGGATCAGATTCTCACTGCTTTGGCCCTTACCAGATTCAATTATGTCTTG TCTATGCTTATGATATTTGTTTATTCTATGCTGTGCCCACATTTGCGTAGG AGATCAGAAATGCTTTTACGAATGGGTATTTTCTGGGTAGTCAACAGCCAT TTTAGCATCTGGCTTACTACATGCCTCGGTGTCTTTTATTTTCTCAAGATA GCCAATTTTTCTAACTCTTTTTTCTTTATCTAAAGTGGAGAGTTAAAAAA GTGATTTTAAATAAATCCTGGCATCACTGATTTTCTGATCTTACATGATCT TTATCTTTAGGGATATATGATCAGTTCTCAATTGCTGCTTATGTAGGAAAT ATGTCTTATAGTTTGACAGATTTAACACAATTTCCAGTACTTTCTTATTC TCCAACCTCATCAATGTTTTCTTAATCACCACCTCATCCCATGTTTTCTTA CCCATCAACTCCCTGTTTATGCTCATACCTTTCACAGTGTCCCTGGTAGCC TTTCTCATGCTCATCTTCTCACTGTGGAAGCATCACAAAAGATGCAGGCT AATGCCAAACAACCTAGAGATGTCAGTACTATGGCCACATTAAAGCCTTG CAAACCTGTGTTCTCTTCTGCTGCTGTATGCCATATACTTACTTTTCTT ATCATAGGAATTTTGAACCTTGGATTGATGGAGAAAAATAGTGATACTGATA TTTGACCACATTTCTGGAGCAGTTTTTCTTATAAGCCACTATTGTGTACTG ATTCTGGGAAACAGTAAGCTGAGACAAGCCAGTCTTTCTGTGTGCTTGTG CTAAGGTGCCAGTCCAAAGATATGGACACCATGGGTCTCTAGTAAATCCA GAGTACATTTTGTAAAAATCTTGAGGATGATCAGTTTCATAGAAAAAGTTA CCTTATGGGGGAAAAATAAAAAGTGGGGCTTCAATCCTGGGAGTAATAATCA ACAGGAGGTTAGGACAGCATGAAGGAGCATAGCATATATAAGTGGTCTCA TACAGGATATGGGAAAGGAAGATTTATGCAATAAAGAGGGAGATCATATT</p>

	GGAGGATGAGGAGGCATTACATATGTAAATGACTATAAGAATGGAATCAT GCTAATCTAAAAAATCTGTAATGCATTTTCATTGAGACTATATACATATAT GCCTATATATGGATATATGGGATATATATTCTATACATATTTTAAAGAA CCTTTCTTATATAG
>mGR24 aa MVPVLHSLSTIILIAEFVWGNLSNG LIVLKNCIDWINKKELSTVDQILIV LAISRISLIWETLIIWVKDQLISSI TIEELKIIIVFSFILSSHFLWLATA LSIFYLFRIPNCYWQIFLYLKWRIK QLIVHMLLGLSLVFLVANMIQITITL EERFYQYGGNTSVNSMETEFSILIE LMLFNMTMFSIIPFSLALISFLLLI FSLWKHLQKMPNLSRGRDPSATAH RNALRILVSFLLLYTIYFLSLLISW VAQKNQSELVHIICMITSLVYPSFH SYILILGNYKLKQTSLWVMRQLGCR MKRQNTPTT	>mGR24 nt CAAAGAGGAGAAATATTTAGCTACACAGTGTACCACATACAAGCCGTTCAA TCAGTATAAGGGGAGCAGTCATATAGAATTTGGGCTTTCTTTCTTTAATA TGGTACCTGTTCTGCACAGTCTCTCCACCATCATACTAATTGCAGAGTTG TTTGGGGAAATTTGAGCAATGGTTTGATAGTGTGAAGAACTGCATTGACT GGATCAATAAAAAAGAGCTCTCCACAGTTGATCAATACTCATTGTCTTGG CAATTTCAAGAATTAGTCTCATCTGGGAAACACTAATTATATGGGTTAAAG ATCAACTAATTTTCATCTATTACTATTGAAGAATTAAAAATAATTGTGTTCA GCTTTATACTATCTAGCCACTTCAGTCTCTGGCTTGTCTACAGCTCTCAGCA TCTTCTATTTATTTCAGAATACCTAATTGCTACTGGCAGATCTTTCTCTACT TGAAATGGAGAATAAAGCAACTGATTGTCCACATGCTTCTGGGAAGCTTGG TGTTCTTGGTTGCAATATGATACAGATAACCATCACTCTTGAAGAGAGGT TCTATCAATATGGAGGAAATACAAGTGTAATTTCCATGGAGACTGAGTTCT CAATTTTGATAGAGCTGATGTTATTTAACATGACTATGTTCTCCATTATAC CATTTTCATTGGCCTTAATTTCTTTCTCTGCTAATCTCTCTTTATGGA AACATCTCCAGAAGATGCCACTCAATTTCTAGAGGAGATAGAGACCCTAGTG CTACGCCCCACAGAAATGCCTTGAGAATTTTGGTCTCCTTCTCTTGTCTCT ATACTATATATTTCTGTCTCTTATATCATGGGTTGCTCAGAGAATC AAAGTGAAGTGGTTTCATTTATTTGTATGATAACTTCACTCGTGTATCCTT CATTCCACTCATATATCCTGATTCTGGGAAATTATAAATTAAAGCAGACCT CTCTTTGGGTAAATGAGGCAGCTGGGATGTAGGATGAAAAGACAGAATACAC CAACTACATAAGGCAGCCAAACAGTCTATTGGGTTTTAGATAACAAATCTA AATCTATGAGGAAGTAGTTCATAACATTTTCCCCTTGAGATGGAGTAGC AGGGTTTTTTTTTATTAGATATTTCTTTACTTACATTTCAAATGCTATCC CGAAAATTCCTGTACCCTCTCCCTGTCTGTTCCCCTACCCACCCACTCC CACTTCTTGCCCTGGCATTTCCCCTGGAGTATCAGTTTTTTATTAGTCAAA CTATCTCACTGACTAAGGGTCATAAAACAAGTTATTTTAACACTAATTTCA ATTAAATCAAAGGTAAAGTGTGAGCAGATGCCTTTAATCACACAATTTCCAT CAAATTCAGCACTCAGGAGAGGGTGATCTCTGTGAATTCAGCACACTGGC GGCCGTTACTAGTGGATCCGAGCTCGGTACCAAGCTT
>mGR25 aa MMGIAIDILWAAIIIVQFIIGNIAN GFIALVNIIDWVKRRKISLMDKIIT ALAISRIYLLWSTFLITLTSSLDPD IKMAVKIIRISNNTWIIANHFISIWF ATCLSIFYFLKIANFSNYIFLYLRW RFKKVSVSTLLISLIFLLNILLMN MHIDIWSDKSKRNLSFSVRSNNCTQ FPRVLINTMFTSIPFTVSLLAFL LLIFSLWRHLKTMQYYAKGSEDTTT AAHIKALHMOVAFLLFYTVFFLSLA IQYWTSGSQENNNLFYATIVITFPS VHSCILILRNSQLRQASLLVLWLL CKSKDVRMLVP	>mGR25 nt AAAACATTCGAATTGAACACAGTAACCAATTCTTCAGCGGACTTACACAA ATCAAGCTATTATCTTATGGATGATGGGTATTGCCATAGATATCTTATGGG CAGCTATTATCATTTGTGCAATTCATAATTGGGAATATTGCAATGGATTCA TAGCATTTGGTGAACATCATAGACTGGGTGAAGAGAAGAAAAATCTCTTTAA TGGATAAGATCATTACTGCTTTGGCAATCTCTAGGATTTATCTGCTGTGGT CTACATTTCTTAATTACACTAACATCTTCACTGGATCCAGATATTAAATGG CTGTGAAAATCTATTAGAATAAGCAATAACACCTGATTATTGCAATTCATT TCAGCATTTGGTTTGTCTACATGTCTCAGCATCTTTTATTTTCTCAAGATAG CCAATTTTTCTAACTATATTTTTCTCTACTTAAGGTGGAGATTTAAGAAGG TGGTTTCAGTGACATTGCTAATCTCTCTTATCTTCTGCTTTTTAAATATTT TACTGATGAACATGCATATTGATATCTGGAGTGATAAGTCCAAAAGAAACC TTTCTTTTAGTGTGATCAATCAATAATTGCACTCAGTTTCCCAGACTTGTCC TTTAAATCAACACAATGTTACATCAATCCCCTTCACTGTGTCCCTGTTGG CTTTTCTGCTTCTCATCTTCTCCCTGTGGAGACACCTGAAAACCATGCAAT ACTATGCTAAAGGCTCCGAAGACACCACACAGTGCACATATAAAGGCCT TGCACATGGTAGTGGCCTTTCTCCTGTCTACACAGTTTTCTTTTGTCTC TTGCCATACAATATTGGACCTCTGGGTCTCAAGAGAATAACAACCTGTTTT ATGCCACAATTGTAATTACTTTCCCTTCAGTCCATTATGATCCTGATTCT TGAGAAACAGCCAGCTGAGGCAGGCATCTCTGTTGGTGCTGTGGTGGCTGC TGTGCAAGTCCAAAGATGTACGGATGTTGGTTCCCTGAAATACTCTGTCAA TGCTCTTTAGTAGTGAAGAAGAAATAGCTTAGTTAAGGAAATCTTGTTC ATTACCAAGTATACTTCAAGTTTATGTATC
>mGR26 aa MLPTLSVFFMLTFVLLCFLGILANG FIVLMLSREWLLRGRLLPSDMILFS LGTSRFFQQCVGLVNSFYFLHLVE YSGSLARQLISLHWDFLNSATFWFC	>mGR26 nt GAATTCAGACAAGGAAGACACACACTAAATGACTTTACTTGTGGGACCT AAAATAACCAAAATAAGTCAAAATCACAGTGATGTTACTAGGGATCTAGGA TAAGGAATGAAGAGAAAGATGTTGGTCATAGAGTACAAAATTCAGCTAA GAACCTAGTCCCTGGAGGCTGAATGTATAGCTGTGTGACAGACAGCAGCTAG CCATACCAGAGTATACACTTGCCTCTTGTCTGAAAGAGTAGATCTTATGTGT

TWLSVLFCIKIANFSPAFWLWLKWR
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 GNHTIYQAFLLRRKFTGNTTFKEWNR
 RLEIDYFMPLKVVMTSIPCSLFLVS
 ILLLISSLRRLSRMQHNTHSLQDP
 NVQAHSRALKSLISFLVLYAVSFVS
 MIIDATVFISDNVWYWPWQIILYF
 CMSVHPFILITNNLRFRTFRQLLL
 LARGFWVA

CCTTGTCACACATAAAAGTAATTGAAAAAGTAACTCTCTGAGATGACAGAT
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 TCACTGGAAAAAGAGCAGTTTAGATGGTTATAAATTACTTAATCCATAGAA
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 GGCAATCATGAGCAGCTGCTGCCCCATGGTACCCGAGCCCGGAAATATT
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 CTCCAGAAGGGAGTGTGAGGACTGTGGGTAGGGGAGGGGAGGGGAGGCAAG
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 TCTTCCAGCAGTGTGTGGGATTGGTCAACAGTTTCTTACTTCTCTCCATC
 TGGTTGAGTACTCCGGGAGCCTTGCCCGGCAGCTCATTAGTCTTCACTGGG
 ACTTCTTGAACCTCAGCCACTTCTGCTGTTTGTACCTGGCTCAGCGTCTCTGT
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 CATTCTTAAGGAGAAAGTTTACTGGGAACACAACCTTTAAGGAGTGAACA
 GAAGGCTGGAAATAGACTATTTTCATGCCTCTGAAAGTTGTCAACCATGTCAA
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<p>>mGR27 aa</p>	<p>>mGR27 nt</p> <p>GAATTCGCCCTTGC GGGATCCGGGAACGGATTTCATAGCACTGGTAAACTTC ATGGGCTGGATGAAGAATAGGAAGATTGCCTCCATTGATTTAATCCTCACA AGTCTGGCCATATCCAGAATTTGTCTATTGTGCGTAATACTACTATTAGATTGT TTTATATTGGTGCTATATCCAGATGTCTATGCCACTGGTAAAGAAATGAGA ATCATTGACTTCTTCTGGACACTAACCAATCACTTAAGTATCTGGTTTGCA ACCTGCCTCAGCATTTACTATTTCTTCAAGATAGGTAATTTCTTTCACCCA CTTTTCTATGCTCAAGTCTAGACGCCAAGGGC</p>
<p>>mGR28 aa</p> <p>GREWLRVGRLLPLDMILISLGASRF CLQLVGTVHNFYSAQKVEYSGGLG RQFFHLHWHFLNSATFWCFSWLSVL FCVKIAN</p>	<p>>mGR28 nt</p> <p>GAATTCGCCCTTGC GGGATCCGGGAACGGGTTTATTGTGCTGGTGGTGGGC AGGGAGTGGCTGCGATATGGCAGGTTGCTGCCCTTGGATATGATCCTCATT AGCTTGGGTGCTCCCGCTTCTGCCTGCAAGTTGGTTGGGACGGTGCACAAC TTCTACTACTCTGCCCAGAGGTCCAGTACTCTGGGGGTCTCGGGGACGACAG TTCTTCCATCTACACTGGCACTTCTGAACTCAGCCACTCTCGTTTGTG AGCTGGCTCAGTGTCTGTGTGAAGATTGCTAACATCACACACTCC ACCTTCTGTGTCTCAAGTCTAGACGCCAAGGGC</p>
<p>>mGR29 aa</p> <p>MDGIVQNMFTFIVIVEIIIGWIGNG FIALVNCIHWYKRRKISALNQILTA LAFSRIYLLLTFTVTVIAVSTLYTHV LVTRRVVKLINFHLLFSNHFMSWLA ACGLGYFLKIAHFNSIFVYLKMR INQVVS GTLLMSLGLLFLNLTLLINS YIDTKIDDYREHLLYDFTSNNTASF YRVILVINNCIFTSIPFTLSQSTFL LLIFSLWRHYKKMQQHAQRCDVLA DAHIRVLQTMVTYVLLCAIFFLSLS MQILRSELLKNILYVRFCEIVA AVF PSGHSCVLICRDTNLRGTFLSVLSW LKQRFTSWIPNINCRSSCIF</p>	<p>>mGR29 nt</p> <p>AGCTTGATATTTCTATTTTGTACTGCACAGAGTTTTTTTTTAAAAATTGAG TTTGTTATGTTGGATTCAATCTCAGATAGAGCTCTTTAATTTTTTTTACAGT GACTTCATGAATCATAACTGCCTTACAGACAATGGATGGAATCGTACAGA ACATGTTTTACATTCATTGTAATTGTGGAATAATAATAGGATGGATTGGAA ATGGATTCATAGCTCTGGTGAAGTGCATACACTGGTACAGAGAAGAAGA TCTCTGCAGTGAATCAAATCTACAGCCTTGGCTTTCTCCAGAACTTACC TTCTTTTAAACAGATTACCTGTCTATGACAGTGTCTACGCTATACACACAG TGTTGGTAACTAGAAGAGTGGTAAACTGATTAATTTCCATTGTGCTTTTCA GCAATCATTTTAGCATGTGGCTTGTGTCATGCCTTGGCCTTTATTATTTTC TTAAATAGCTCATTTTCTAACTCTATTTTGTCTTACTTAAAGATGAGAA TTAACCAGGTGGTTTCAGGGACTTTGCTCATGTCTTTGGGCTCTTGTGTTT TAAACACTCTGCTGATAAATCATACATTGATGACCAAGATAGATGACTACA GAGAACATCTACTGTATGATTTCACTTCGAATAATACTGCTTCATTTTACA GGGTATTTTAGTCATTAACAACGTGATTTTTCATCTATACCTTTTACAC TTTCCAGTCCACTTTTCTCTGCTCATCTTCTCCCTGTGGAGACATTACA AGAAGATGCAACAGCATGCACAAGATGCAGAGATGTCCTTGCAGATGCC ACATCAGAGTCTTGCAAACCATGGTCCACTATGTCTTACTCTGTGCCATTT TCTTTCTGTCTCTTTCCATGCAAATTTGAGGAGTGAGTTGTTGAAGAACA TTCTTTACGTTAGGTTCTGCGAGATGTTGTCAGCAGTTTTTCTTTCAGGAC ACTCCTGTGTCTTAATCTGTAGAGACACAACTGAGAGGGACCTTTCTTT CTGTGCTATCGTGGCTGAAGCAGAGGTTTACATCATGGATTCTTAACATAA ATTGCAGATCATCTTGCATATTCTAAAGAACTGAG</p>
<p>>mGR30 aa</p> <p>MTYETD T T L M L V A V G E A L V G I L G N A F I A L V N F M G W M K N R K I A S I D L I L S S V A M S R I C L Q C I I L L D C I I L V Q P D T Y N R G K E M R T V D F F W T L T N H L S V W F A T C L S I F Y L F K I A N F F H P L F L W I K W R I D K L I L R T L L A C V I I S L C F S L P V T E N L S D D F R R C V K T K E R I N S T L R C K V N K A G H A S V K V N L N L V M L F P F S V S L V S F L L L I L S L W R H R T R Q I Q L S V T G Y K D P S T T A H V K A M K A V I S F L A L F V V Y C L A F L I A T S S Y F M P E S E L A V I W G E L I A L I Y P S S H S F I L I L G S S K L K Q A S V R V L C R V K T M L K G K K Y</p>	<p>>mGR30 nt</p> <p>AAAAATGTTTCATTGTTTATCTAAAATTCAAATTTAACTGAGTGCCCTACAT TTTTATTTATTCAATCTAGTAGCTGTACTGAGGTTATTAGTGATTCTCG AAGCCCAAATTTGTAAACTTAGCCTCAGATAAACAGCTTGAGACCATGGA AAGTAATTTGGTAAA TTTGCATCTTAGCAAATAGTAGCTCAGCCTAAATTA ACTGTGTGTAGAAAAGAATGACCTGCGGAGAAGATAAATGGACATACAATA TCCAGGCTAAGGATTGCCAAACACACTGTTTTTAAAGACTAATTGAGATTTA GATAAACTATCTACAGTCTTCTATGTATAATCTCATCTTCATCACAAGACA GACTTCAACTTAAGGAGGTAAAGACAAAGACAGCGAACCTTAAACAGCCAA GTGTAGAAACCAAACCTGCATCAAATCAGCCAGAACTAATTGGATACTTCT CTACTTTAAATGACATACGAAACAGATACTACCTTAATGCTTGTAGCTGT TGGTGAGGCTTAGTAGGGATTTTAGGAAATGCATTCATTGCACCTGGTAAA CTTCAAGTGGGCTGGATGAAGAATAGGAAGATTGCCTCTATTGATTTAATCCT CTCAAGTGTGGCCATGCTCAGAATTTGTCTACAGTGTATAATCCTATTAGA TTGTATTATATTGGTGCAGTATCCAGACACCTACAACAGAGGTAAAGAAAT GAGGACCGTTGACTTCTTCTGGACACTTACCAACCATTAAAGTGTCTGGTT TGCCACCTGCCTCAGCATTTTCTATTTATTCAAGATAGCAAACCTTCTTCCA CCCTCTTTTCTCTGGATAAAGTGGAGAATTGACAAGCTAATTTCTCAGAAC TCTACTGGCATGTGTGATTATCTCCCTGTGTTTTAGCCTCCAGTCACTGA AAATCTGAGTGATGATTTTCAGACGTTGTGTTAAGACAAAGGAGAGAATAAA CTCTACTTTGAGATGCAAAGTAAATAAAGCTGGACATGCCTCTGTCAAGGT AAATCTCAACTTGGTCATGCTGTTCCTCTTCTGTGCTCTGCTGCTCCTT TCTCCTCTTGATCTCTCCTCTGGGAGACACAGGAGAGATCAACTCAG TGTAACAGGGTACAAAGATCCAGCACAAACAGCTCATGTGAAGCCATGAA</p>

<p>>mGR31 aa MYMILVRAVFITGMLGNMFIGLANC SDWVKNQKITFINFIMVCLAASRIS SVLMLFIDATIQELAPHFYYSYRLV KCSDFWVITDQLSTWLATCLSIFY LFKVAHISHPLFLWLKWRLRGVLVV FLVFSLFLLISYFLLLETLPIWGD YVTLKNNLTLFSGTIKTTAFQKIIV FDIIVLPFLVSLASLALLFLSLVK HSRSLDLISTTSEDSRTKIHKKAMK</p>	<p>AGCGTAATTTCTTCTGCGCCTGTTTGTGTCTACTGCCTAGCCTTTCT CATAGCCACCTCCAGCTACTTTATGCCAGAGAGTGAATTAGCTGTAATATG GGGTGAGCTGATAGCTCTAATCTATCCTTCAAGCCATTCAATTTCTCAT CCTGGGGAGTAGTAACTAAAAACAAGCATCTGTGAGGGTGCTTTGTAGAGT AAAGACCATGTTAAAGGGAAAAAATATTAGCATCATGAGCATATCTGAAG AAAACTATCACTTTCTAAGAGAAAGGAAGACACGATCATTATCCGTCCTT TTCACATGAATATTGATTTCATGTCAGTGACATCCTCTTAACAAACTTAAAT TGAACCTTGAGAAATCTCATATACAGCAACTTTGCATGTCTCTATCTCTGC TTTTTCTCTCCTTTTCAATATGAGTTGACATAAAAAATAATTTTCAGAACA AATTATAACAGAAGAAAGGGCATTTCATAATCAGTTCTGAATCACTCCCTC CAAATGCAAAGCTGCCTGACAAATTCAAAACAATTGTAACAGCATCTCACT GTCGTTTGCACTTTTGGAAAAGCAGGTGGTTTGTCTTGGAGCCTGGCCT AGAGTTTTCTTCTTAGACCATTGAATTATGTTTCATGATTGGAGAAGAGTCA AGTACCAAGTAACAATTTTATTGTGAAGATGGGTGTTTCATCATGTGATTT TGGCTGGCCTGGAACCTGTTATGTAGACTAGTCTGTCTATCAAAACACACAAA GATCTGCCTGCCTCACCTGCCAGTTCTAGGATTCAAGGAATGCACCACCAC AGCTTGTTCAAGTGACAATCTTACAAATGTTTTAGAAATAAATAATATAC TAGAAATTAACACTGAATGTAAGTGCTGTTTAGGTATAAATTATGATTAAA TGTTATAGTTAGAAAATTTTAAAGATTATAGATCAGTGATGAAATATTCT TAGAATAAGTTTTATGAAGAACTTTTATAAAGAACTGGAAAAAATCTC TTGATTGCATATTGAAACAAATTTCTCCAAAAGAACCTACAAATTTGC CTAGACATCTAGACTGTATCAACAGTGAATATGAAATATCATAACAGG ATATAGCCTTTAGTATTGAAGACAGGTTTCATCTATATTAACCTGCATACA TACCTAAAAGACTAAGTCAATATCCCACAAACATATTTGCACTATCATGTC TATTGAAACACTATTCATAGTAGCTAAAATATGGCACAAAACCTAGACATTC ATCAATAGATGAATCAATAAAGCAAATGTACATACACAAGATGAAATTGTA TTCAGGCATAAAGAAGAATGCAGTCATGTCTATTAGCAAAAACATAAACAGA ATTGGAGGTCATTGTGATAATTGAAATAAACAGCAGCTGGAAAAACAAAA CCTGTGTAATTTTTCTGAAGTAGAGAATATACTCTTGGATGGATAGATGGG TACTGTTATAGTATAAAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTAT TTCATGAAAGCAAGAATGGGACTGCTTAGAGAAAGAAAAGGACAAACAGGT GAAGGGGTGAAAGAAAAAGGCAATGACAAGGAGTAATGATATGAGCAAAGT ACCATTTATAACATGTGACAATATTATATAGAAACACATGATTTTGTGTG CCTACCAAACTGGATAATAATTTTTAAATGTATCTATTAAGGAAAGA AAAGAAAGTGCAAGCCCAGGAAGGGAGAAAAGGAAACAATGAGAGAGAAA TGGAAAATGGTGAGAAGTGAAGAGAACAAAAAGAAATGGAGTAAAGTGTGGC CAGGAATGAAGGATCTCAGCTATAGTTATCCAGTACGGTAATACAAATCT GTGACTCCAGCACTTGACAAGGCTGAGAGATGTGAGAGAGGGCCAGTTAAC AACCAGTCTGGGCTTATTCCAAGAGATAAGAAGATTGGGGGAAAGTATGTA GAAGGGTTTGGAGGGAAGAGAGAGAAGAGGGAAATGATGTAATGATAGTAC AAATCAAAAGTTATTTTTCTAAAAAAGCAATGGGACAGGAAACCAACCTA ACAAGTAAAGGTGCTTGGTTTACAAGACCAGCAACCTGAGTGATCCTTGC TAGAATGAAATTGGCCTTACTCTGGAAAGCTTACTTCTCAGTGATTTCAT TGTTAAATTCATGTGGAGATTTTAAAGAAAAAAGGAAAAAAGTTAAA TGGTAGATTTGTGTAGGGGAATATTTCCCTAATTAATTGATTAGATAATAA AGATGACAAGCAAATTGCTGTGCAAAAAGGAAGACAAGGTCTAAGAGGGGA AGAGGGGACACGGGAGGAAAAAAACGGCCCTTTTAAAGCAAGGTGGGA GTGAGGGAAGCGAGATGTAGACAGGGAAGTGTAGACCTGGTGGCAGCTTC TGCCACCTGAAGATTTTCAACATAGTATAGTTTCATGAGTTTAGGAAGATAT GTTCCCTGCCAGCGGTTGTATCATCTGTTGATTTTAAACTAAGATTGTCT GGTGTTTTCCATTTGCGGAGACTCAAGTAGACCAAGGGAAAGAATGAATT C</p>	<p>>mGR31 nt CTGCAGCTTTCTAGAAATCTCACCAGAAATGTCTTTGTGCAGCTTTAATAGT TCCTGGTTATACCTTGTACATTATAAGCTAAGACATCTTTGGTGCCACAA TATACTCTCACTAATCAGAGAGATTAGACAGAAAAAATAGTTTCTTAACAA CTGTTTATAGAGGGTCATGAAATGACATAAAACACCAATGCTAAGGCAAT CCATTATGTTTTCTCATGAGGAGCCCATATGTACACTGAGTGTGTCTTAT TATTTCCCTGAGTGATTTTGTAAATTTTATAAACACTTAAGTGTGATTCAT ACTAGTTAGTTCTGAAATCTTTTCTTCATCAAAGCTTAAATCTCTGGGT TTTTTAAATGGAGAACCCCAAAACAAGTGAAATGTTGTGTGGAGCAGG CTGTCTTCCACACACTACCATGAGATGTCTATTCTGTAATTTGTTCCCGG AATAGGAAATGCCCTGAATTCAGGCACACAAGAGCTAGTCTGTGCACCATG</p>
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